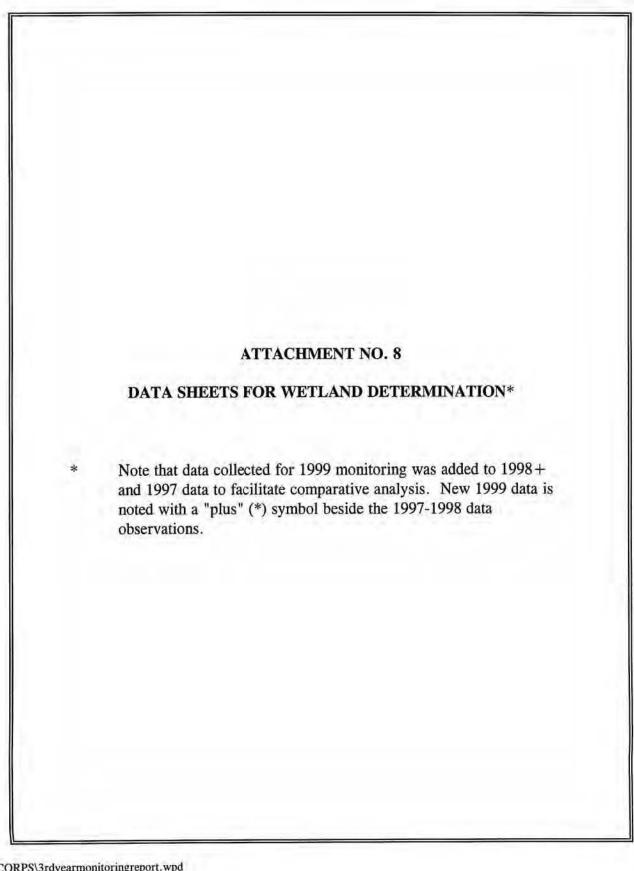
## Mitigation Monitoring Data Sheet for Overall Plant Species Abundance & Distribution

	E:_10-27-99		UADRA	TNO								R 99 & NO. 3rd year
EC	ORDER:	TH	-	-	-	TEC	HNI	CAL RI	EVIEV	VER_	T	H
egul istril	latory Require oution of the	ement: ! various	Determine plant spec	e for cies fo	each ;	year withi	of rec	quired c	omplia: approv	nse mo ed miti	onitoring igation a	g the overall abundance and hab treas.
No.	Species		Strata	"	Overall Cover or Stem							Abundance/Distribution by Habitat Type 4
1.	Remish		h	3	4	4	4	3				4/PE
2.	Jugar	<b>1</b> 25	4	1	1	1		1				1/PE
3.	CHECK S	bick					1					IPE
4.												
5.			1					121		TI I		
6.									1 3			
7.												
8.												
9.				1								
10.												
	See attached site location map.  Herbaceous layer (H), shrub (S), and tree (T).										OSE G +5 at 2007E	NOTER FOR / PAINTS
	Cover Class	Class	Range, %		Midpo	int of	Class	Range, &				
1	1	0-5		1	2.5							
	2	>5 - 2	5		15.0							
	3	>25 -			37.5							
	4	>50 -7			62.5							
	6	>75 - >95 -			85.0 97.5							

PE = Palustrine Emergent; POW = Palustrine Open Water, PF = Palustrine Forested, and PSS = Palustrine Scrub/Shrub.

NWI Wetland Habitats -



ROUTINE WETLAND DETERMINATION (1987 Corps Methodology Wetlands Delineation Manual) county mitigation DRANGE Project/Site: Date: DRANGE COUNTY, Applicant/Owner: County: TERRY Investigator(s) : State: No Do Normal Circumstances exist on the site? Community ID: Yes Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? No Yes No Transect ID: Plot ID: (If needed, explain answer on reverse or attach separate sheet.) CREATES + RESTORES Summan EGETATION **Dominant Plant Species** Indicator **Dominant Plant Species** Indicator See Vog. bata sheets 9. 2. 10. 11. 3. 12. 4. 13. 5. 6. 15. 16. Observations & Remarks: Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 100 No; or, Assume presence of wetland vegetation? Visually observed rooted emergent vegetation present? 4. Taxonomic References: HYDROLOGY Recorded Data (Attached): Wetland Hydrology Indicators: SOME \_ Stream, Lake, or Tide Gauge Primary lodicators: Ponded Portion Ipundated: Flooded Ponded Saturated in: Upper 12" of Soil Profile Water Marks Aerial Photographs: Dates: 209-Drift Lines Sediment Deposits No Recorded Data Found Drainage Patterns in Wetlands (Hydrogeomorphic context) Secondary Indicators (2 or more required):

Oxidized Root Channels in: \_\_\_\_ Upper 12\*of Soil Profile Current Field Observations: Depth of Surface Water: Water-Stained Leaves 5 Depth to Free Water in Pit: (in.) Local Soil Survey Data FAC-Neutral Test 0 Depth to Saturated Soil: Tidal Influence the Rest not Payoro, but Other (Explain in Remarks) Non-Tidal Influence Observations and Remarks: Silonentous or sheet forming algae present?
Surface Sediment with Bedding Planes
Slope: \_\_\_\_\_ 0-2%; or \_\_\_\_ > 2%
Oxidized rhizospheres: \_\_\_\_ new roots only No No Yes 3. \_\_\_ > 270 \_\_new roots only; \_\_\_ old roots only; \_\_\_ new and old roots, or \_\_\_ none \_ rare, unlikely but possible under unusual weather conditions; Flooding: \_\_\_\_ none, flooding not probable; \_\_\_ 5. occasional. Continuous flooding duration: None; \_\_\_ very brief, if < 2 days; \_\_\_ brief, if < 5% growing season (GS); \_\_\_ long, if ≥5% to 12.5% GS; or \_\_\_ very long, if > 12.5% GS

Ponding? \_\_\_ Yes \_\_\_ No 7. Continuous ponding duration: None; \_\_very brief, if < 2 days; \_\_ brief, < 5% growing season (GS); \_\_ long, if ≥5% to 12.5% GS or; very long, if > 12.5% GS
Saturation? \_\_Yes \_\_No 8. 10. Continuous duration of Saturation: \_\_\_ None; \_\_\_ very brief, if < 2 days; \_\_\_ brief, < 5% growing season (GS); \_\_\_ long, if ≥5% to 12.5% GS; or <a>very long, if > 12.5% GS</a> \* Bosed on data collectED 10/22+23/97 + used to DENOTE DIFFERENT FINDING than that of 1897 Observation

DATA FORM

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(Series and Phase):	GRad	ed site	w	Drainage Class <sup>1</sup> :	1/6			
Taxonomy (Subgroup)	- 1	surface soi		Permeability <sup>2</sup> :	16/8000			
axonomy (edegroup)	. OXPOD	eas		Run off <sup>3</sup> : V3 (Pauses)				
Profile Description (Su	urface to 12"):			Field Observations Co	onfirm NRCS Mapping?  Yes No			
Depth (inches)			Mottle Colors (Munsell Moist)	Mottle Abundance*/ Contrast <sup>5</sup>	Structures <sup>7</sup> , etc.			
0 to 12	_	104R3/2	+104R 5/6	+ F/D	Clay			
to								
to								
Listed or		andy Soils ####################################	Concretions High Organic Control Gleyed or Low-Chr Other (Explain in Re	ent in Surface Layer in S roma Colors (chroma <2 ) emarks): 50//	andy Soils			
Current: Sulfidic (	Odor g Conditions (E cive to the rem	invironment	Aquic Moisture Reg Other (Explain in Re	gime (nearly free of dissolve emarks):	ed oxygen for period of time)			
bservations and Remarks. Smell: Site has been: Soils Currently are:	& chemical red  erks: Neutral; Irrigated; Flooded;	Slightly Fresh; Fresh and Leveled; Ditch Ponded; Saturated	r flooded or conded for	r long (>15 to 30 days) t	Graded to drain via slope to very long durations;			
oxgen  Observations and Rem  Smell: Site has been: Soils Currently are: Soils:  Soils: TLAND DETERM  ydrophytic Vegetatio	& chemical red  earks: Neutral; Irrigated; Flooded; do do not days) during the do not INATION	Slightly Fresh;Fresh and Leveled; Ditch Ponded; Saturated become continuously in the proving season; Ut, become con	flooded or ponded for Inknown saturated for 14 days	r long (>15 to 30 days) t	ta very long durations;			
Observations and Remarks. Smell: Site has been: Soils Currently are:	& chemical red  earks: Neutral; Irrigated; Flooded; do do not deys) during the do not INATION  In Conditions Preser	Slightly Fresh;Fresh and Leveled; Ditch Ponded; Saturated t, become continuously the growing season; Ut, become continuously the growing season; Ut, become continuously the growing season; Ves Not? Yes Not? Yes Not?	flooded or ponded for Inknown saturated for 14 days	r long (≥15 to 30 days) to s or greater ng Point Within a Wetlan	ta very long durations;			
oxgen  Observations and Rem  Smell: Smell: Site has been: Soils Currently are: Soils:	& chemical red  works: Neutral; Irrigated; Flooded; Indo do not days) during the do do not days) during the do do not do	Slightly Fresh; Fresh and Leveled; Ditch Ponded; Saturated by become continuously is growing season; Ut, become continuously is pecome co	Is this Sampling Signature: No Signature: No If yes, or or disting dry land to distribute the construction actiful the co	ng Point Within a Wetlan  when vegetation is absent if check item(s) below).  eased. collect and retain water asins, or rice growing.	to very long durations;  and? Yes No  bed and bank present).  and which are used  avating and/or diking dry  in dry land for the on is abandoned			

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#### ROUTINE WETLAND DETERMINATION

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(1987 Corps Methodology Wetlands Delineation Manual

Project/Site: Applicant/Owner: Investigator(s)	DRANGE DRANGE TERRY H	Date: /_County:State:	1/20/97* DRANG E NY				
Do Normal Circumstar Is the site significantly Is the area a potential (If needed, explain ans	disturbed (Atypical	Situation)? Yes	No No No EATED + RESTORE	Transect ID-	unity ID: BB		
EGETATION							
Dominant Plan		Indicator	Dominant Plant	Species	Indicator		
1. See Vieget	ction Data Si	heats	9.				
2.			10.				
l			11.				
1.		*	12.				
i.		:	13.				
l e			14.				
			15.				
			15.				
Observations & Rem 1. Percent of Domir 2. Assume presence 3. Visually observed	nant Species that a e of wetland veget d rooted emergent		(excluding FAC-): 100	_ N	lo; or,		
Observations & Rem 1. Percent of Domir 2. Assume presence 3. Visually observed 4. Taxonomic Refer	nant Species that a e of wetland vege if rooted emergent ences:	tation?	(excluding FAC-): 100	_ N	lo; or,		
Assume presence     Visually observed     Taxonomic Refer  YDROLOGY  Recorded Data (Atta	nant Species that are of wetland veget in rooted emergent ences:  ached): Lake, or Tide Gauge otographs: Dates:  ound  ons: ace Water: Water in Pit:	tation? vegetation present?	Vetland Hydrology Indicator Primary Indicators: Inundated: Saturated in: Water Marks Drift Lines Sediment Depo Drainage Patte context) Secondary Indicators (2	s:  Flooded Upper 12" of  osits rns in Wetlands ( cor more required) Channels in:  Leaves est	Ponded Soil Profile		

unit Name es and Phase): iy (Subgrou	up):	GRADECO	Drainage Class <sup>1</sup> :  Permeability <sup>2</sup> :  Run off <sup>3</sup> :	PD VS VS PONDED				
e Description (	Surface to 12*):	+GRaded		Field Observations Confirm NRCS Mapping? YesNo				
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance⁴/ Contrast⁵	Texture <sup>8</sup> , Concretions, Structures <sup>7</sup> , etc.			
12	+ EB	+ 104R3/2	+ 104R 5/6	+ F/D	clay			
to								
		4						
# Mottle	on Local Hydric s (Redoxmorphic c Odor ing Conditions (Elucive to the remon & chemical red	features)  L  nvironment  aval of		gime (nearly free of dissolved	t oxygen for period of time)			
Soils: (>30	do do not, days) during the do do not,	and Leveled; Ditch Ponded; Saturated become continuously growing season; become continuously	tlooded or ponded to. Inknown	ell; or Sulfidic Odor ined; Pumped; G r long (≥15 to 30 days) to s or greater	raded to drain via slope o very long durations;			
rophytic Vegetat		esent?Yes No	ls this Sampli	ng Point Within a Wetland	17 Yes No			
dand Hydrology (	Conditions Presenting Contractions Currently Pres	t? Yes _ N	0	- 1/11				
Possibly exempt f  a) Non-tidal d  b) Artificially  c) Artificial la.	rainage and irriga irrigated areas wi kes or ponds crea ly for such purpo- effecting or swimm tain water for pri depressions crea of obtaining fill, sa	egulation? Yes tion ditches excavated nich would revert to up ted by excavating and/ ses as stock watering, ning pools or other sma marily aesthetic reason ted in dry land incidenta and, or gravel unless an	No (If yes, of on dry land of the irrigation of or diking dry land to irrigation, settling basis! ornamental bodies is.  al to construction act of until the construction	collect and retain water ar	nd which are used vating and/or diking dry n dry land for the n is abandoned			
e class: Excessive SPD), Poorly drain ility: Very slow ly rapid (MR-2.0 Very slow (VS) S bundance: Few contrast: Faint (F) Sand, loamy sai e: Platy (laminate lar), or granular.	ely drained (ED), Sined (PD), Very po (VS-less than 0.0 to 6.0 inches), ra low (S), Moderati (F), Common (C), I, Distinct (D), or and, sandy loam, lo d), prismatic (ven	Somewhat excessively orly drained (VPD), or V 6 inch), slow (S-0.06 to pid (R-6.0 to 20 inches a (M), Rapid (R), or Vari or Many (M). Prominent (P). pam, silt, silt loam, sai tical axis of aggregates	drained (SED), Well d Variable (V). o 0.20 inch), modera d, very rapid (VR-mod iable (V). ndy clay loam, clay lo longer than horizonta	rained (WD), Moderately vitely slow (MS-0.2 to 0.6 in the control of the control	Approved by HQUSACE well drained (MWD), Somewhat poinch), moderate (M-0.6 to 2.0 incliable (V).			

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DATA FURIN

#### ROUTINE WETLAND DETERMINATION

	(1987 Corps Methodology Wetlands Delineation	Manual) 1/10-11/98 + +
Project/Site: Applicant/Owner: Investigator(s)	DRANGE COUNTY Mitisation DRANGE COUNTY, NY TERRY HUFFMAN	Date: 11-20-97 10/27/99 County: 08ANG E State: NY
Is the site significantly	rices exist on the site?  y disturbed (Atypical Situation)?  Problem Area?  Yes  No  Yes  No  No  Problem Area?  Yes  No  Yes  No  No  REAFES + RESTORE	Community ID: CC  Transect ID: Plot ID:

Dominant Plant Species	Indicator	Dominant Plant Species	Indicator
. See Data Sheets		9.	
2.		10.	
3.		11.	
4.		12.	
5.	•	13.	
6.		14.	
7.		15.	
8.		16.	

HYDROLOGY	-
Recorded Data (Attached): Stream, Lake, or Tide Gauge Laterial Photographs: Dates: 1997  Other LIDIGT  No Recorded Data Found	Wetland Hydrology Indicators: Primary Indicators: Ipundated: Flooded Ponded Saturated in: Upper 12" of Soil Profile Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands (Hydrogeomorphic context)
Current Field Observations:  Depth of Surface Water: Depth to Free Water in Pit: Depth to Saturated Soil:  Tidal Influence Non-Tidal Influence	Secondary Indicators (2 or more required):  Oxidized Root Channels in: Upper 12*of Soil  Profile  Water-Stained Leaves  Local Soil Survey Data  FAC-Neutral Test  Other (Explain in Remarks)
4. Oxidized rhizospheres: \[ \text{new roots only;} \] old \( \text{5.} \) Flooding: \[ \text{none, flooding not probable;} \] rare, unlik	No No  roots only; new and old roots, or none tely but possible under unusual weather conditions; occasional, frequent, occurs on an average of more than once in 2 years.
6. Continuous flooding duration: None; very brief, in to 12.5% GS; of very long, if > 12.5% GS 7. Panding? Yes No	f < 2 days; brief, if < 5% growing season (GS); long, if ≥5%
8. Continuous ponding duration: None; very brief, it to 12.5% GS or: very long, if > 12.5% GS 9. Saturation? Yes No	if $<$ 2 days; brief, $<$ 5% growing season (GS); long, if $\ge$ 5% brief, if $<$ 2 days; brief, $<$ 5% growing season (GS); long, if
≥5% to 12.5% GS; orvery long, if > 12.5% GS	



*	S/ 100	grodow	Permeability <sup>2</sup> :  Run off <sup>3</sup> :	VS (Pompal)			
Profile Description (S	Surface to 12"):			Field Observations Con	firm NRCS Mapping? Yes LNo		
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance <sup>4</sup> / Contrast <sup>5</sup>	Texture <sup>5</sup> , Concretions, Structures <sup>7</sup> , etc.		
0 to 12 edge	+ B	+ 104R 3/Z	10 yR 5/6	F/D	Clay		
to	F# 3						
to							
Listed Listed  Mottles	c Streaking in S on National Hydro on Local Hydro s (Redoxmorphic c Odor ng Conditions (Rucive to the rem of & chemical rec	Soils List : features)	to po	nime (nearly free of dissolved			
. Soils: (>30		t, become continuously :	The second second second second	The second section of the second section is a second section of the second section of the second section is a second section of the section of the second section of the section of the second section of the section of th			
TLAND DETERMINATION OF THE PROPERTY OF THE PRO	MINATION ion Conditions Preservations Preservations	nt? Yes _ No	-	ng Point Within a Westland	?YesNo		
Artificial ref  (a)	the U.S.? Learning and project of such a conditions of the U.S.? Learning and irrigated areas we get or ponds creed feeting or swimmatain water for pudepressions creed obtaining fill, see the such as the condition of the condit	res No (can be a way of the second of t	Signature:	when vegetation is absent if behack item(s) below).  eased. collect and retain water an	ed and bank present).  Ind which are used  Tating and/or diking dry  To dry land for the  To is abandoned		

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	11307		Wetlands Delineation N	T	
eject/Site:	DRANGE (	county mitis	iation	Date:	11-20-97
olicant/Owner:	DRANSE		County:	DRANGE	
estigator(s) :	TERRY F	tu FFM aN		State:	NY
Normal Circumstanc he site significantly of he area a potential P needed, explain answ	disturbed (Atypical Problem Area?	Situation)? Yes	NO NO NO EATED + RESTORED	Community Transact ID:	Plot ID:
ETATION					
Dominant Plant	Species	Indicator	Dominant Plant Sp	pecies	Indicator
suo Data	sheets		9.		
			10.		
			11.		
			12.		
			13.		
			14.		
×			15.		
			16.		
Assume presence	ant Species that a of wetland veget rooted emergent	are OBL, FACW or FAC ration? vegetation present?	(excluding FAC-): 100 Yes		lo; or, lo
Percent of Domina Assume presence Visually observed Taxonomic Referen	ant Species that a of wetland veget rooted emergent	ation?	(excluding FAC-): 100 Yes Yes		
Percent of Domina Assume presence Visually observed Taxonomic Reference PROLOGY	ant Species that a of wetland veget rooted emergent nces:	vegetation present?	Yes		
Percent of Domina Assume presence Visually observed Taxonomic Reference PROLOGY Recorded Data (Attack Stream, La	ant Species that a of wetland veget rooted emergent nces: hed):	vegetation present?	Vetland Hydrology Indicators:	= 1	10
Percent of Domina Assume presence Visually observed Taxonomic Reference ROLOGY  ecorded Data (Attact Stream, La Aerial Phot	ant Species that a of wetland veget rooted emergent nces:	vegetation present?	Vetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in:	Fjooded	V Ponded
Percent of Domina Assume presence Visually observed Taxonomic Reference ROLOGY  ecorded Data (Attact Stream, La Aerial Phot	ant Species that a of wetland veget rooted emergent nces:	vegetation present?	Vetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Weter Marks Drift Lines	Flooded Upper 12" o	V Ponded
Percent of Domina Assume presence Visually observed Taxonomic Reference PROLOGY Recorded Data (Attack Stream, La Aerial Photomics Other	hed):  hed):  cographs: Dates:	vegetation present?	Vetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Water Marks Drift Lines Sediment Deposi	Flooded Upper 12" o	Ponded f Soil Profile
Percent of Domina Assume presence Visually observed Taxonomic Reference PROLOGY Recorded Data (Attack Stream, La Aerial Photomic	hed):  hed):  hed by the photos  und	vegetation present?	Vetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Weter Marks Drift Lines Sediment Deposi Drainage Pattern context)	Flooded Upper 12" o	Ponded Soil Profile
Percent of Domina Assume presence Visually observed Taxonomic Reference PROLOGY Recorded Data (Attack Stream, La Aerial Photo Other Other	hed): tke, or Tide Gauge tographs: Dates:	yegetation present?	Vetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Weter Marks Drift Lines Sediment Deposi Drainage Pattern context) Secondary Indicators (2 or Oxidized Root Ch	Flooded Upper 12" of its s in Wetlands	Ponded Soil Profile
Percent of Domina Assume presence Visually observed Taxonomic Reference PROLOGY Recorded Data (Attack Stream, La Aerial Photo Other Other Depth of Surface	ant Species that a of wetland veget rooted emergent nces:  hed): ike, or Tide Gauge tographs: Dates:  und  ns: ce Water:	yegetation present?	Vetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Weter Marks Drift Lines Sediment Deposi Drainage Pattern context) Secondary Indicators (2 or Oxidized Root Ch Profile Water-Stained Le	Flooded Upper 12" of its its in Wetlands more required nannels in:	Ponded Soil Profile
Percent of Domina Assume presence Visually observed Taxonomic Reference PROLOGY  Recorded Data (Attack Stream, La Aerial Photo Other Other Depth of Surface Depth to Free V Depth to Satura	ant Species that a of wetland veget rooted emergent nces:  hed): ake, or Tide Gauge tographs: Dates:  und  ns: ce Water: Water in Pit:	2.7 / 2.5 (in.) (in.)	Vetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Water Marks Drift Lines Sediment Deposi Drainage Pattern context) Secondary Indicators (2 or Oxidized Root Cr Profile Water-Stained Le Local Soil Survey	Flooded Upper 12" o its s in Wetlands more required nannels in:	Ponded Soil Profile
Percent of Domina Assume presence Visually observed Taxonomic Reference PROLOGY  Recorded Data (Attack Stream, Laterial Photo Other Other Depth of Surface Depth to Free V Depth to Satura idal Influence	ant Species that a of wetland veget rooted emergent nces:  hed): ake, or Tide Gauge tographs: Dates:  und  ns: ce Water: Water in Pit:	2.7 / 2.5 (in.) (in.)	Vetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Weter Marks Drift Lines Sediment Deposi Drainage Pattern context) Secondary Indicators (2 or Oxidized Root Ch Profile Water-Stained Le	Flooded Upper 12" of the sin Wetlands Imper required nannels in:	Ponded Soil Profile
Percent of Domina Assume presence Visually observed Taxonomic Reference PROLOGY Recorded Data (Attact Stream, La Aerial Phot Other Tent Field Observation Depth of Surfac Depth to Free V	ant Species that a of wetland veget rooted emergent nces:  hed): ake, or Tide Gauge tographs: Dates:  und  ns: ce Water: Water in Pit:	2.7 / 2.5 (in.) 0 (in.)	Vetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Weter Marks Drift Lines Sediment Deposi Drainage Pattern context) Secondary Indicators (2 or Oxidized Root Cr Profile Water-Stained Le Local Soil Survey FAC-Neutral Test	Flooded Upper 12" of the sin Wetlands Imper required nannels in:	Ponded Soil Profile
Percent of Domina Assume presence Visually observed Taxonomic Reference PROLOGY  Recorded Data (Attack Stream, Laterial Photo Other Other Depth of Surfact Depth to Free V Depth to Saturated Influence on-Tidal Influence	thed):  hed): hed): hed): ce Water: Water in Pit: ated Soil:	2.7 (in.) (in.) (in.)	Vetland Hydrology Indicators: Primary Indicators: Indi	Flooded Upper 12" of the sin Wetlands Imper required nannels in:	Ponded Soil Profile
Percent of Domina Assume presence Visually observed Taxonomic Reference PROLOGY  Recorded Data (Attack Stream, La Aerial Photo Other Other Depth of Surfact Depth to Satura idal Influence on-Tidal Influence  Provations and Remark Filamentous of	ant Species that a of wetland veget rooted emergent nces:  hed): ake, or Tide Gauge tographs: Dates:  und  ns: ce Water: Water in Pit: ated Soil:	yegetation present?  1997  8/97  (in.) (in.) (in.) (in.) (in.) (in.) (ves	Vetland Hydrology Indicators: Primary Indicators: Indi	Flooded Upper 12" of the sin Wetlands Imper required nannels in:	Ponded Soil Profile
Percent of Domina Assume presence Visually observed Taxonomic Reference ROLOGY  ecorded Data (Attact Stream, La Aerial Photo Other Other Other Oppth of Surfact Depth to Free V Depth to Satura dal Influence on-Tidal Influence  ervations and Remark Filamentous or Surface Sedime Slope:	ant Species that a of wetland veget rooted emergent nces:  hed): ke, or Tide Gauge tographs: Dates:  water in Pit: ated Soil:  ks: sheet forming algae tograph; or provided emergent need end of the provided	e present?	Vetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Water Marks Drift Lines Sediment Deposi Drainage Pattern context) Secondary Indicators (2 or Oxidized Root Cr Profile Water-Stained Le Local Soil Survey FAC-Neutral Test Other (Explain in	Flooded Upper 12" of its s in Wetlands more required nannels in: paves Data Remarks)	Ponded Fool Profile  Hydrogeomorphic  Upper 12*of Soil
Percent of Domina Assume presence Visually observed Taxonomic Reference  ROLOGY  ecorded Data (Attack Stream, La Aerial Photo Other Other Depth of Surfact Depth to Free V Depth to Satura dal Influence on-Tidal Influence ervations and Remark Filamentous or Surface Sedime Slope: Oxidized rhizosi Flooding:	ant Species that a of wetland veget rooted emergent nces:  hed): ake, or Tide Gauge tographs: Dates:  word photos  und  ns: ce Water: Water in Pit: ated Soil:  sheet forming algae to with Bedding Plant of the photos one, flooding not pictore, flooding not pictore, flooding not pictore, and the property one, flooding not pictore, and the property one, flooding not pictore, and the property one, flooding not pictore, and the property of the pro	ation? vegetation present?  997  8197  (in.) (in.) (in.) (in.)  e present?  express on yes on	Vetland Hydrology Indicators: Primary Indicators: Indi	Flooded Upper 12" of the sin Wetlands in the saves Data Remarks)	Ponded Soil Profile  Hydrogeomorphic  Upper 12*of Soil
Percent of Domina Assume presence Visually observed Taxonomic Reference PROLOGY  Recorded Data (Attack Stream, Laterial Photo Other Other Depth of Surface Depth to Free V Depth to Saturate Idal Influence In	ant Species that a of wetland veget rooted emergent nces:  hed): tke, or Tide Gauge tographs: Dates:  where tographs: Dates:  where tographs: Dates:  ce Water: Water in Pit: ated Soil:  ce with Bedding Plant power one, flooding not power one, flooding not power one, flooding duration:  or very long, it	e present? Yes ones in 2 years, or frequency of the process only; rare, unlikely iss in 2 years, or frequency over brief, if <	Vetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Veter Marks Drift Lines Sediment Deposi Drainage Pattern context) Secondary Indicators (2 or Profile Water-Stained Le Local Soil Survey FAC-Neutral Test Other (Explain in	Flooded Upper 12" of the sin Wetlands in:  aves Data Remarks)  Remarks	Ponded Soil Profile  Hydrogeomorphic  Upper 12*of Soil  ons; occasional, oce in 2 years.
Percent of Domina Assume presence Visually observed Taxonomic Reference ROLOGY  ecorded Data (Attack 8 tream, La Aerial Photo Other Other Other Depth of Surface Depth to Free V Depth to Satura dal Influence on-Tidal Influence envations and Remark Filamentous or Surface Sedime Slope: Oxidized rhizost Flooding: Oxidized rhizost	ant Species that a of wetland veget rooted emergent nces:  hed): ake, or Tide Gauge tographs: Dates:  und  ns: ce Water: Nater in Pit: ated Soil:  sheet forming algae to nce or leading duration: or very long, in or very long, i	ation? vegetation present?  997  8197  (in.) (in.) (in.) (in.) (in.)  e present?  yes  yes  yes  yes  oots only; robable;rare, unlikely ss in 2 years, or frequ  None;very brief, if <  None;very brief, if <	Vetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Veter Marks Diff Lines Sediment Deposi Dorninage Pattern context) Secondary Indicators (2 or Profile Water-Stained Le Local Soil Survey FAC-Neutral Test Other (Explain in  No No Sonly; new and old root but possible under unusual went, occurs on an average of	Flooded Upper 12" of the state	Ponded Soil Profile  Hydrogeomorphic  Upper 12" of Soil  Ons; occasional, ce in 2 years.  (GS);long, if ≥5%
Percent of Domina Assume presence Visually observed Taxonomic Reference PROLOGY  Recorded Data (Attack Stream, La Aerial Photo Other Depth of Surface Depth to Free V Depth to Saturation Tidal Influence On-Tidal Influence Provided Provide	ant Species that a of wetland veget rooted emergent nces:  hed): ke, or Tide Gauge tographs: Dates: water in Pit: ated Soil:  ks: sheet forming algae to the with Bedding Place with Bed	e present?  2.7  (in.)  (in.)  (in.)  (in.)  2.5  2.5  2.5  2.7  2.5  2.5  2.5  2.5	Vetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Water Marks Drift Lines Sediment Deposi Drainage Pattern context) Secondary Indicators (2 or Profile Water-Stained Le Local Soil Survey FAC-Neutral Test Other (Explain in  No	Flooded Upper 12" of the state	Ponded Soil Profile  Hydrogeomorphic  Upper 12" of Soil  Ons:occasional, one in 2 years.  (GS);long, if 25%

ROUTINE WETLAND DETERMINATION



#### Mitigation Monitoring Data Sheet for Overall Plant Species Abundance & Distribution

MITIGATION AREA NO.1\_

gul strib	atory Requireme oution of the varie	nt: Determin ous plant spe	e for cies fo	each	year withi	of rec	uirec <del>Corp</del>	Fon s ap	nplia prov	nce r ed m	noni itiga	toring tion ar	the overall abundance and ha
۱o.	Species	Strata <sup>2</sup>		(A)	Over	all Co	100	r Ste	n De	nainy	~	3	Abundance/Distribution by Habitat Type 4
	Paysavium		4	4	3	4	5	1	2	3	11	5	
	Agnostis	Ever h	2	1	7		/	۷	-/	Z	7	1	
	Jungen	1	2	<i>'</i>					1			1	1
	effusis	- 1	-									7	
									4				
-							7 3			-			
		-											
		-	-										
0.												ليا	
	See attached site in Herbaceous layer Cover Class	3.9 4 00000			int of	Class F	lange.	<i>/</i>	ots	*	10°	oos Lei gra	EGNAZING EV. FOW / TRUCKS + ZED Plants.
1	1 0-	s.		.5									
	2 >:	i - 25	1	5.0									
	3 >2	25 - 50	3	7.5									
	4 >5	60 -75		2.5									
		15 - 95		5.0									
	6 >	75 - 100	4	7.5									

Scrub/Shrub.

EPA PROJECT NO. EPA-CWA-U-92-155

## Mitigation Monitoring Data Sheet for Overall Plant Species Abundance & Distribution

.egul	atory Requirement: I	Determine	for e	ach y	/ear	of re	quired	compl	iano	e mon	itoring	g the overall abundance and h
No.	Species Strata Overall Co						over or	Stem ]	Dens	sity		Abundance/Distribution by Habitat Type 4
1.	POLY GOWEN	h	4				<b>43</b> 3		T			HIPE
2.	Agrestis	h	1				1		1			1/95
3.	Jungan						4					4/PE
4.	-11											
5.											*	
6.												
7.												
8.												
9.												v.
10.												

3

Cover Class	Class Range, %	Midpoint of Class Range, &
1	0-5	2.5
2	>5 - 25	15.0
3	>25 - 50	37.5
4	>50 -75	62.5
5	>75 - 95	85.0
6	>95 - 100	97.5

<sup>4</sup> NWI Wetland Habitats -

PE = Palustrine Emergent; POW = Palustrine Open Water, PF = Palustrine Forested, and PSS = Palustrine Scrub/Shrub.

#### Mitigation Monitoring Data Sheet for Overall Plant Species Abundance & Distribution

DD 4	PROJECT I	VO FF					peca	.s AD	м	TIG	ATI	ON A	REA	NO.1 60+B
	E: 10-27-99							=0.						R 99 & NO. 3rd year
REC	ORDER:	TH			_	TEC	HNI	CAL	REV	ZEV	VER		T	FI
Regu Iistri	latory Requir bution of the	ement: various	Determine plant spec	e for e	each	year withi	of re n the	quire Corp	d con	nplis	nce : red m	moni iitiga	toring tion a	g the overall abundance and hab reas.
No.	Species		Strata <sup>2</sup>	1	3		-	over o	_				0	Abundance/Distribution by Habitat Type
	Point Park	X		/	2		4	<u> </u>	/	2	_ 3	4	2	111000
1.	polydori	il marica	en h	3	4	4	4	3	3	4	4	4	4	4/PE
2.	Juncy	عبه	4	1						1				1/82
3.	CARRIC	+6	4	1						1				1/PE 1/PE
4,	27.5													
5.	7												17	
6.										1.3				
7.							-		-					
8.	-	-		-						-				
9.				-			-	-		-	-			
-						-	-	-	-	-	-			
10.	L				_	_			_					
Í	See attached	site loca	tion map.							*	6	205	EP	Mariaten
2	Herbaceous	layer (H),	shrub (S),	ınd tree	(T).					/.	LDI	150	e	water fow /
											100	-1	0	+ grazza plats
	Cover Class	Class	Range, %	1	Midpo	int of	Class	Range	,&		<i>//-u</i>	٠,	> v	1, 57125
1	1	0-5			2.5									
	2	>5 - 2	5		15.0									
	3	>25 -	50	-	37. <b>5</b>			111.0						
	4	>50 -	75		62.5									
	5	>75 -			85.0									
	6	>95 -	100	-	77.5									

PE = Palustrine Emergent; POW = Palustrine Open Water, PF = Palustrine Forested, and PSS = Palustrine Scrub/Shrub.

NWI Wetland Habitats -

Map Unit Name (Series and Phase): Taxonomy (Subgroup		le site		Drainage Class':  Permeability <sup>2</sup> :  Run off <sup>3</sup> :	PD VS VS (Ponder)
Profile Description (S	urface to 12"):			Field Observations Cor	rfirm NRCS Mapping? YesNo
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance <sup>4</sup> / Contrast <sup>5</sup>	Texture <sup>5</sup> , Concretions, Structures <sup>7</sup> , etc.
60 12	* B	104R3/2	toyR5/6	FIN	Clay
to					- /
to					4
Current: Sulfidic	g Conditions (E cive to the remo & chemical red	nvironment		ent in Surface Layer in Sa oma Colors (chroma ≤2) marks):	
1. Soils: (>30	dodo not days) during the dodo not	Ponded; Saturated, become continuously a growing season; U, become continuously s	flooded or ponded for Inknown	ll; or Sulfidic Odor ned; Pumped; G long (≥15 to 30 days) to or greater	o very long durations;
Hydrophytic Vegetation Vetland Hydrology Co Hydric Soils Condition	onditions Presen	t?Yes No	,   -	ng Point Within, a Wetland	Yes _ No
(a) Non-tidal dra (b) Artificially in (c) Artificial lake exclusively (d) Artificial refl land to reta (e) Waterfilled of purpose of	om Corps/EPA re pinage and irriga rigated areas wh es or ponds creat for such purpos ecting or swimm ain water for pri depressions creat obtaining fill, se	egulation? Yes  tion ditches excavated thich would revert to uple sted by excavating and/ ses as stock watering, in  ming pools or other small  marily aesthetic reasons  ted in dry land incidents  and, or gravel unless an	No (If yes, condry land and if the irrigation conditions of diking dry land to dirrigation, settling basis or amental bodies of settling to construction actiful direction actiful direction actiful the construction directions of the construction actiful the constructi	collect and retain water a	nd which are used vating and/or diking dry n dry land for the n is abandoned
d (SPD), Poorly draine eability: Very slow (V eately rapid (MR-2.0 to ff: Very slow (VS) Slo e abundance: Few (F e contrast: Faint (F), ure: Sand, loamy sand	d (PD), Very po (S-less than 0.0 o 6.0 inches), ra w (S), Moderati ), Common (C), Distinct (D), or d, sandy loam, li	orly drained (VPD), or viet inch), slow (S-0.06 to pid (R-6.0 to 20 inches or Many (M).  Prominent (P).  Prominent (P).	(ariable (V). o 0.20 inch), moderat l, very rapid (VR-more able (V). dy clay loam, clay loa	ely slow (MS-0.2 to 0.6 is than 20 inches), or Van	

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DATATOM

ROUTINE WETLAND DETERMINATION

(1987 Corps Methodology Wetlands Delineation Manual) 11/10-11/98 +

Project/Site: Applicant/Owner:	DRANGE COUNTY Mitisation DRANGE COUNTY, NY TERRY HUFFMAN	Date: 11-20-97 TO County: ORANGE State: NV
Is the site significantly	nces exist on the site?  y disturbed (Atypical Situation)?  Problem Area?  Yes  No  Problem Area?  Swer on reverse or attach separate sheet.)  CREATED + RESTORE	Community ID: EE

Dominant Plant Species	Indicator	Dominant Plant Species	Indicator
1. Sue buta Sheets		9.	
2.		10.	
3.		11.	
4.		12.	
5.		13.	
6.		14.	
7.		15.	
8.		16.	

HYDB	OLOGY	Pro-
	Corded Data (Attached): Stream, Lake, or Tide Gauge 19 97 Aerial Photographs: Dates: Other Situr Photos 10197 Recorded Data Found	Wetland Hydrology Indicators: Primary Indicators: Inundated: Flooded Ponded Saturated in: Upper 12" of Soil Profile Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands (Hydrogeomorphic context)
Tjda	nt Field Observations:  Depth of Surface Water: Depth to Free Water in Pit: Depth to Saturated Soil:  Influence  Tridal Influence	Secondary Indicators (2 or more required):  Oxidized Root Channels in: Upper 12"of Soil Profile Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)
Observ 1. 2. 3. 4. 5.	vations and Remarks:  Filamentous or sheet forming algae present?  Surface Sediment with Bedding Planes  Slope:  Ozd; or  Oxidized rhizospheres:  new roots only;  flooding:  none, flooding not probable;  rare, unliformed occurs on an average of once or less in 2 years, or  1	
6. 7.	Continuous flooding duration: None; very brief, i to 12.5% GS; or very long, if > 12.5% GS Ponding? Yes No	f < 2 days; brief, if < 5% growing season (GS); long, if ≥5%
8. 9. 10.	Continuous ponding duration: None; very brief, to 12.5% GS or: very long, if > 12.5% GS	if < 2 days; brief, < 5% growing season (GS); long, if $\geq$ 5% brief, if < 2 days; brief, < 5% growing season (GS); long, if
	≥5% to 12.5% GS; or very long, if > 12.5% GS	

Charge believed to be Result of sheet pile

Listed or Listed or	Horizon B B	Matrix Color (Munsell Moist)  10 YR 3/1  10 YR 5/1	Mottle Colors (Munsell Moist)  FIDYR 5/6  IDYR 4/8  Concretions	Field Observations Co  Mottle Abundance*/ Contrast*  F/A  F/A	Yes _ No  Texture <sup>6</sup> , Concretions, Structures <sup>7</sup> , etc.  Clay lo au  Clay lo au
to	B Dipedon Streaking in Sa n National Hydrin In Local Hydric S	IOYR 3/1	Munsell Moist)  FIDYR 5/6  IDYR 4//8	Contrast <sup>5</sup>	Texture, Concretions, Structures, etc.  Clay 10 am  Clay 10 am
Hydric Soil Indicators:  Historic: Histosol Histic Ep Organic Listed or Historic Mottles	oipedon Streaking in Sa n National Hydrin n Local Hydric S		JOYR 4/8	+ 5/d	Clay low
Hydric Soil Indicators:  Historic: Historic Epuloper Organic Listed on Mottles	oipedon Streaking in Sa n National Hydrin n Local Hydric S		JoyR 4/8	F/d	daylon
Hydric Soil Indicators:  Historic: Historic Epuloper Organic Listed on Mottles	pipedon Streaking in Sa n National Hydrin n Local Hydric S	ndy Soils	Concretions		
Historic: Histosol Histic Ep Organic Listed or Listed or Mottles	pipedon Streaking in Sa n National Hydrin n Local Hydric S	ndy Soils	Concretions		
Soils:	Neutral; Si Irrigated; La Flooded; do not, Iavs) during the	become continuously f	looded or ponded for nknown	long (≥15 to 30 days) to	Graded to drain via slope o very long durations;
ETLAND DETERM	INATION				<i></i>
lydrophytic Vegetatio Vetland Hydrology Co lydric Soils Conditions	nditions Present	t?No	T T	g Point Within a Wetlan	d?Yes No
(b) Artificially irri (c) Artificial lake exclusively (d) Artificial refle land to reta (e) Waterfilled de purpose of	m Corps/EPA re inage and irrigat igated areas wh s or ponds crea for such purpos ecting or swimm in water for pri epressions creat obtaining fill, se	gulation? Yes tion ditches excavated of tich would revert to uplated by excavating and/of tes as stock watering, in thing pools or other small marily aesthetic reasons ted in dry land incidenta and, or gravel unless and	No (If yes, con dry land and if the irrigation center diking dry land to corrigation, settling basical consensation activate to construction activate until the construction	ollect and retain water a ins, or rice growing.	and which are used vating and/or diking dry in dry land for the on is abandoned

Mottle contrast: Faint (FI, Distinct (D), or Prominent (P).

Texture: Sand, loamy sand, sandy loam, loam, silt, silt loam, sandy clay loam, clay loam, silty clay loam, sandy clay, silty clay, or clay. Structure: Platy (laminated), prismatic (vertical axis of aggregates longer than horizontal), columnar (prisms with rounded tops), blocky (angular or subangular), or granular.

Reliance on visual observation of flooding, or ponding is required, or the use of indicators other than factors such as soil color, the presence of mottles, or hydric soil classification.



## DATA FUNIVI

ROUTINE WETLAND DETERMINATION (1987 Corps Methodology Wetlands Delineation Manual) 11/10-11/98+

Applicant/Owner: 1	RANCE COL	my miti	sation	Date:	ORANGE NY
Do Normal Circumstances Is the site significantly dis Is the area a potential Pro (If needed, explain answe	turbed (Atypical Situ	Vec	NO NO NO EAFED + RESTOR	Community Transect ID:	
EGETATION					/
Dominant Plant S		Indicator	Dominant Plan	t Species	Indicator
. See Data SI	uets		9.		
2.			10.		
3.			11.		,
1.			12.		***
i.			13.		
3.			14.		
7.			15.		
3.			16.		
<ol> <li>Percent of Dominan</li> <li>Assume presence of</li> <li>Visually observed ro</li> </ol>	Species that are ( wetland vegetatio oted emergent veg	n?	(excluding FAC-): // Ye	es /	No; or,
Observations & Remark 1. Percent of Dominan 2. Assume presence of 3. Visually observed ro 4. Taxonomic Reference  YDROLOGY	Species that are ( wetland vegetatio oted emergent veg	n?	Ye	95 % 95 × 1	No; or,
Percent of Dominan     Assume presence of     Visually observed ro     Taxonomic Reference      Percent of Dominan     Visually observed ro     Taxonomic Reference      Percent of Dominan     Visually observed ro     Taxonomic Reference      Assume presence of Dominan     Taxonomic Reference      Taxonomic Reference      Assume presence of Dominan     Taxonomic Reference      Taxonomic Reference      Assume presence of Dominan     Taxonomic Reference      Taxono	d): c) or Tide Gauge graphs: Dates:  Water: ter in Pit:	n? etation present?	Wetland Hydrology Indicator Primary Indicators:	Pleoded Upper 12" of the proper series in Wetlands of the channels in:  d Leaves Vey Data Test	Ponded of Soil Profile o// h m// (Hydrogeomorphic ): Upper 12*of Soil

Map Unit Name (Series and Phase);	Can	Doisua		Drainage Class <sup>1</sup> : Permeability <sup>2</sup> :	SPA
Taxonomy (Subgrou	p):			Run off <sup>3</sup> :	S (Shetpil
					nfirm NRCS Mapping?
Profile Description (	Surface to 12*):			The same of the same of the same of	Yes No
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance <sup>4</sup> / Contrast <sup>5</sup>	Texture <sup>6</sup> , Concretions, Structures <sup>7</sup> , etc.
0 to 4	В	10/R 3/2-1	104 R 5/6	F/d	Claylone
4 to 12	B	104R5/1	104R 6/8	F/D	Claylown
to					
Organi  Uisted  Listed  Mottles  Current:  Sulfidio  Reduci condi	Epipedon c Streaking in Sar on National Hydric S s (Redoxmorphic f c Odor ng Conditions (En ucive to the remon	c Soils List oils List eatures) vironment	Gleyed or Low-Chr Other (Explain in Re Aquic Moisture Reg Other (Explain in Re	gime (nearly free of dissolver	
TLAND DETERI	ion Conditions Pre		the state of the s	ng Point Within a Wetland	17Yes No
lydric Soils Conditio			Signature:	eny Huff	
2. Possibly exempt fr (a) Non-tidal dr (b) Artificially it (c) Artificial lak exclusivel (d) Artificial rel land to rel (e) Waterfilled purpose o	rom Corps/EPA regainage and irrigate areas who can be compared areas who can be compared areas or ponds creatly for such purpose flecting or swimmer tain water for prindepressions creatly obtaining fill, said	quiation? Yes ion ditches excavated or ich would revert to uplace ted by excavating and/or es as stock watering, in ing pools or other small harily aesthetic reasons. ed in dry land incidental and, or gravel unless and	No (If yes, c in dry land ind if the irrigation co ir diking dry land to d irrigation, settling basis ornamental bodies of to construction acti until the construction	collect and retain water a	nd which are used vating and/or diking dry n dry land for the n is abandoned
s: age class: Excessive d (SPD), Poorly drain	hi denined (ED) S	omewhat excessively dr	ained (SED) Well dr	mined (M/D). Mederately	Approved by HQUSA

Reliance on visual observation of flooding, or ponding is required, or the use of indicators other than factors such as soil color, the presence of mottles,

Terry Huffman, PhD 1997
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or hydric soil classification.

# ROUTINE WETLAND DETERMINATION

(1987 Corps Methodology Wetlands Delineation Manua

111/98+

Project/Site: Applicant/Owner: Investigator(s) :		ounty mitis	ation		1-20-97 DRANGE 10/
	disturbed (Atypical S	ituation)? Yes	No No No AVED + RESTOR	Community ID Transect ID:	:_ G- G Plot ID:
EGETATION	4 Caralina	Indicator	Deminent Blant	Section	hadinana.
Dominant Plan  1. See Data		mulcator	Dominant Plant	Species	Indicator
2.			10.		
3.			11.		
		40	12.		
		- 4	13.		
			14.		
			15.		
			16.		
Dbservations & Remail Percent of Doming Assume presence Visually observed Taxonomic Reference	ant Species that are of wetland vegeta rooted emergent v	tion?	(excluding FAC-): //O	esNo	o; or,
<ol> <li>Percent of Domin</li> <li>Assume presence</li> <li>Visually observed</li> </ol>	ant Species that are of wetland vegeta rooted emergent v	tion?	Ye	esNo	o; or,
Assume presence Assume presence Visually observed Taxonomic Refere  YDROLOGY  Recorded Data (Attac Stream, L Aerial Pho Other Other No Recorded Data Form	ant Species that are of wetland vegetar rooted emergent vences:  ched): ake, or Tide Gauge otographs: Dates:	egetation present?	/etland Hydrology Indicator Primary Indicators: Inumdated: Saturated in: Water Marks Drift Lines Sediment Dep Drainage Patt context) Secondary Indicators (2	Plooded Upper 12" of Spering in Wetlands (H	Ponded Soil Profile
Assume presence Assume presence Visually observed Taxonomic Refere  YDROLOGY  Recorded Data (Attac Stream, L Aerial Pho Other No Recorded Data Fo	ant Species that are of wetland vegetar rooted emergent vences:  ched): ake, or Tide Gauge otographs: Dates:  ound  ons: ace Water: Water in Pit:	tion? egetation present?	/etland Hydrology Indicate Primary Indicators: Inendated: Saturated in: Water Marks Drift Lines Sediment Deporainage Patt context) Secondary Indicators (2 Oxidized Root Profile	Elooded Upper 12" of S  cosits erns in Wetlands (H  cor more required): t Channels in:	Ponded Soil Profile
Percent of Domin Assume presence Visually observed Taxonomic Refere  YDROLOGY  Recorded Data (Attac Stream, L Aerial Pho Other Other Popth of Surfa Depth to Free Depth to Satur Tidal Influence Non-Tidal Influence Deservations and Remain Filamentous of Surface Sedim Slope: Oxidized rhizos Flooding: Occurs on an a	ant Species that are of wetland vegetar rooted emergent vences:  ched): ake, or Tide Gauge stographs: Dates:  ound  ons: ace Water: Water in Pit: rated Soil:  2  rks: sheet forming algae ent with Bedding Plant O-2%; or	resent? Yes	Vetland Hydrology Indicator Primary Indicators: Inundated: Saturated in: Water Marks Drift Lines Sediment Dep Drainage Patt context) Secondary Indicators (2 Oxidized Root Profile Water-Stained Local Soil Sur FAC-Neutral Other (Explain  No No No s only; new and old but possible under unusual ent, occurs on an average	posits pers in Wetlands (Heaves press vey Data lest in Remarks)  proots, or none al weather condition to of more than once to of more than once to of more than once	Ponded Soil Profile  lydrogeomorphic  Upper 12*of Soil
Percent of Domin Assume presence Visually observed Taxonomic Refere  ODROLOGY  Recorded Data (Attac Stream, L Aerial Pho Other Other Port of Surfa Depth to Free Depth to Free Depth to Satur Tidal Influence Non-Tidal Influence Diservations and Remain Filamentous of Surface Sedim Slope: Oxidized rhizos Flooding: Occurs on an a Continuous floo	ched): ake, or Tide Gauge otographs: Dates:  water in Pit: rated Soil:  ched Soil:  ched): ake, or Tide Gauge otographs: Dates:  ched): ake, or Tide Gauge o	present? Yes  present Yes	/etland Hydrology Indicator Primary Indicators: Inundated: Saturated in: Water Marks Drift Lines Sediment Dep Drainage Patt context) Secondary Indicators (2 Oxidized Root Profile Water-Stained Local Soil Sur FAC-Neutral Other (Explain	posits pers in Wetlands (Heaves press vey Data lest in Remarks)  proots, or none al weather condition to of more than once to of more than once to of more than once	Ponded Soil Profile  lydrogeomorphic  Upper 12*of Soil

Map Unit Name (Series and Phase):		daisug		Drainage Class <sup>1</sup> : Permeability <sup>2</sup> :	SPD
Taxonomy (Subgrou	up):			Run off <sup>3</sup> :	5 (Sheet P.K
Profile Description (	Surface to 12"):	8		Field Observations Con	ofirm NRCS Mapping? Yes No
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance <sup>4</sup> / Contrast <sup>5</sup>	Texture <sup>5</sup> , Concretions, Structures <sup>7</sup> , etc.
0 to 4	В	10ye/3	410 YR 5/L	7/5	Clay low
4 to 12	3	1048 5/1	164R 6/8	F/D	Claylow
to					
Listed  Mottle	on National Hydron Local Hydrics (Redoxmorphics Odor ing Conditions (Eucive to the remn & chemical reconditional Reconditions (Eucive to the remn & chemical reconditions)	Soils List features)	3 ub surject	ime (nearly free of dissolved	ert pino places
(>30	days) during the	e growing season; L t, become continuously s	Inknown	long (≥15 to 30 days) to or greater	, rong duratoris,
ydrophytic Vegetat Vetland Hydrology ( ydric Soils Conditio	Conditions Preser	nt? Yes _ No	,   -	g Point Within a Wetland	Yes _ No
. Possibly exempt f (a) Non-tidal d (b) Artificially (c) Artificial la.	rom Corps/EPA r rainage and irriga irrigated areas w kes or ponds cre ly for such purpo flecting or swim tain water for pr depressions crea of obtaining fill, s	egulation?Yes ation ditches excavated which would revert to uple ated by excavating and/ uses as stock watering, i ming pools or other small imarily aesthetic reasons ated in dry land incidente and, or gravel unless an	No	ased. ollect and retain water ar	nd which are used vating and/or diking dry n dry land for the n is abandoned
ge class: Excessive (SPD), Poorly drain ability: Very slow ( ately rapid (MR-2.0	ly drained (ED), led (PD), Very po VS-less than 0.0 to 6.0 inches), ro low (S), Moderat (F), Common (C),	Somewhat excessively operly drained (VPD), or volo inch), slow (S-0.06 to apid (R-6.0 to 20 inches to (M), Rapid (R), or Vario, or Many (M).	drained (SED), Well dra Variable (V). o 0.20 inch), moderate ), very rapid (VR-more	ained (WD), Moderately v	Approved by HQUS well drained (MWDI, Somewha inch), moderate (M-0.6 to 2.0
contrast: Faint (F) re: Sand, loamy sai ure: Platy (laminate gular), or granular.	nd, sandy loam,	loam , silt, silt loam, san	ndy clay loam, clay loa longer than horizontal	m, silty clay loam, sandy l), columnar (prisms with	r clay, silty clay, or clay. rounded tops), blocky (angul

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DAIA FUNIVI ROUTINE WETLAND DETERMINATION (1987 Corps Methodology Wetlands Delineation Manual) county mitigation DRANGE Project/Site: Date: County. DRANGE Applicant/Owner: County: TERRY HUFFMA Investigator(s) : State: Do Normal Circumstances exist on the site? Community ID: Is the site significantly disturbed (Atypical Situation)?
Is the area a potential Problem Area? Yes Yes No No Transect ID: Plot ID: (If needed, explain answer on reverse or attach separate sheet.) CREATED + RESTORED EGETATION **Dominant Plant Species** Indicator **Dominant Plant Species** Indicator 1. See Data shee 9. 10. 2. 3. 11. 12. 4 5. 13. 6. 14. 7. 15. 16. 8. Observations & Remarks: 1. Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 2. Assume presence of wetland vegetation? Yes No; or, 3. Visually observed rooted emergent vegetation present? 4. Taxonomic References: HYDROLOGY Recorded Data (Attached): Wetland Hydrology Indicators: Stream, Lake, or Tide Gauge 19 Aerial Photographs: Dates: 19 Primary Indicators: Inundated: Flooded Ponder Saturated in: Upper 12" of Soil Profile Ponded Other Site photos Water Marks Sediment Deposits No Recorded Data Found Drainage Patterns in Wetlands (Hydrogeomorphic Secondary Indicators (2 or more required):
Oxidized Root Channels in: \_\_\_\_\_ Upper 12"of Soil Current Field Observations: Depth of Surface Water:
Depth to Free Water in Pit:
Depth to Saturated Soil: 0 - 10 (in.) 201- 200- 110 (i +0 Profile 4" Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test 0-4 Tidal Influence Other (Explain in Remarks) 0 Mon-Tidal Influence O Observations and Remarks: Ons and hemans.

Filamentous or sheet forming algae present?

Surface Sediment with Bedding Planes

Slope: 0-2%; or \_\_\_\_ > 2%

Oxidized rhizospheres: \_\_\_\_ new roots only; Yes av Edge Oxidized rhizospheres: \_\_new roots only; \_\_ old roots only; \_\_ new and old roots, or \_\_ none
Flooding: \_\_ none, flooding not probable; \_\_ rare, unlikely but possible under unusual weather conditions; \_\_ occurs on an average of once or less in 2 years, or \_\_ frequent, occurs on an average of more than once in 2 years. new and old roots, or 5. Continuous flooding duration: None; very brief, if < 2 days; \_\_ brief, if < 5% growing season (GS); \_\_ long, if ≥5% to 12.5% GS; or \_\_ very long, if > 12.5% GS

Ponding? \_\_\_ Yes \_\_ No 6.

Continuous ponding duration: None; very brief, if < 2 days; brief, < 5% growing season (GSI; long, if  $\geq$ 5% to 12.5% GS or; very long, if > 12.5% GS Saturation? Ves No Continuous duration of Saturation: None; very brief, if < 2 days; brief, < 5% growing season (GSI; long, if < 2 days; brief, < 5% growing season (GSI; long, if

7.

8.

10.

≥5% to 12.5% GS; or Very long, if > 12.5% GS

Map Unit Name (Series and Phase): Taxonomy (Subgrou	Excave Not	ital Sol.	Pono	Drainage Class¹: Permeability²: Run off³:	VS (Amed)
Profile Description (S	Surface to 12"):			Field Observations Con	Yes No Grades
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance <sup>4</sup> / Contrast <sup>5</sup>	Texture <sup>6</sup> , Concretions, Structures <sup>7</sup> , etc.
0 to 12			ToyR 5/6		
to					
Organi Listed Listed Mottles	Epipedon c Streaking in Sa on National Hydri on Local Hydric S s (Redoxmorphic)	c Soils List oils List eatures)  vironment	Gleyed or Low-Chro	int in Surface Layer in Sama Colors (chroma s2) marks):	tal pour
5. Soils:	do do not,		saturated for 14 days	or greater	17 Yes No
Wetland Hydrology C Hydric Soils Condition	onditions Present	? Yes _ N	0 -	Ey Huff-	
(b) Artificially in (c) Artificial lak exclusivel (d) Artificial ref land to ret (e) Waterfilled purpose of	om Corps/EPA re ainage and irrigat rrigated areas wh es or ponds crea y for such purpos flecting or swimm tain water for prir depressions creat f obtaining fill, sa	gulation?Yes ion ditches excavated ich would revert to up ted by excavating and/ es as stock watering, ing pools or other sma narily aesthetic reason ed in dry land incident and, or gravel unless an	No (If yes, con dry land on dry land land if the irrigation con irrigation, settling basis or amental bodies of settling to construction action duntil the construction	collect and retain water a	nd which are used vating and/or diking dry n dry land for the n is abandoned
d (SPD), Poorly drain eability: Very slow ( ately rapid (MR-2.0 t ff: Very slow (VS) Sk e abundance: Few (I e contrast: Faint (F), tre: Sand, loamy san	ed (PD), Very pool VS-less than 0.00 to 6.0 inches), rap tow (S), Moderate FJ, Common (C), Distinct (D), or I d, sandy loam, Io	orly drained (VPD), or No. 15 inch), slow (S-0.06 to 20 inches (M), Rapid (R), or Van (M).  Prominent (P).  am , silt, silt loam, sai	Variable (V). to 0.20 inch), moderat ts), very rapid (VR-more tiable (V).  ndy clay loam, clay loa	ely slow (MS-0.2 to 0.6 than 20 inches), or Van am, silty clay loam, sand	Approved by HOUS well drained (MWD), Somewhatinch), moderate (M-0.6 to 2.0 iable (V).  y clay, silty clay, or clay. rounded tops), blocky (angula
		r ponding is required,	or the use of indicator	s other than factors such	as soil color, the presence of

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# ROUTINE WETLAND DETERMINATION

(1987 Corps Methodology Wetlands Delineation Manual)

11/11/98+

Investigator/s) : TERRY F	LOUNTY, NY	Date: County State:	DRANGE X
Do Normal Circumstances exist on the site is the site significantly disturbed (Atypical is the area a potential Problem Area? (If needed, explain answer on reverse or at	Situation)? Yes	No Commun	
EGETATION			
Dominant Plant Species	Indicator	Dominant Plant Species	Indicator
See Data Short		9.	
2.		10.	
3.		11.	
1.		12.	
5.	N	13.	1
5.		14,	
7.		15.	
3.		16.	
Fig. 10 Apr. 1		Matland Hudrology Indicators	*
PDROLOGY  Recorded Data (Attached): Stream, Lake, or Tide Gauge Aerial Photographs: Dates:  Other 10/97  No Recorded Data Found  Current Field Observations: Depth of Surface Water: Depth of Free Water in Pit-	1997 tos 8/97	Wetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Water Marks Veift Lines Sediment Deposits Drainage Patterns in Wetlan context) Secondary Indicators (2 or more required) Oxidized Root Channels in: Profile Water-Stained Leaves	ds (Hydrogeomorphic
Recorded Data (Attached):  Stream, Lake, or Tide Gauge Aerial Photographs: Dates:  Other  No Recorded Data Found  Current Field Observations:  Depth of Surface Water: Depth to Free Water in Pit:	1997 tos 8/97	Primary Indicators:  Inundated: Saturated in: Water Marks Vifit Lines Sediment Deposits Drainage Patterns in Wetlan context) Secondary Indicators (2 or more required) Oxidized Root Channels in:	ds (Hydrogeomorphic
Recorded Data (Attached): Stream, Lake, or Tide Gauge Aerial Photographs: Dates: Other Oth	present? Yes yes obable; rare, unlikely sin 2 years, or free	Primary Indicators: Inundated: Flooded Saturated in: Upper 12 Water Marks Vicift Lines Sediment Deposits Drainage Patterns in Wetlan context) Secondary Indicators (2 or more required and context) Profile Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)  No	of Soil Profile  Ids (Hydrogeomorphic lired):  Upper 12"of Soil  Ione ditions; occasional, once in 2 years.
Recorded Data (Attached):  Stream, Lake, or Tide Gauge Aerial Photographs: Dates:  Other  Other  Depth of Surface Water: Depth to Free Water in Pit: Depth to Saturated Soil:  Tidal Influence Non-Tidal Influence  Description of Surface Water in Pit: Depth to Saturated Soil:  Tidal Influence  Description of Surface Water in Pit: Depth to Saturated Soil:  Tidal Influence  Description of Saturated Soil:  Filamentous or sheet forming algaes Surface Sediment with Bedding Pits Slope:  O-2%; or Oxidized rhizosoheres: Flooding: In one, flooding not pits occurs on an average of once or le Continuous flooding duration:  to 12.5% GS; or very long, in	present? Yes yes yes in 2 years, or free yers brief. if see yes yes years, or free years, or yes years, or	Primary Indicators: Inundated: Flooded Saturated in: Upper 12 Water Marks Vieit Lines Sediment Deposits Drainage Patterns in Wetlan context) Secondary Indicators (2 or more required and context) Oxidized Root Channels in: Profile Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)  No	ds (Hydrogeomorphic ired):  Upper 12*of Soil  One ditions; once in 2 years.
Recorded Data (Attached): Stream, Lake, or Tide Gauge Aerial Photographs: Dates:  Other Ot	e present?Yes [in.] D  e present.	Primary Indicators: Inundated: Flooded Saturated in: Upper 12 Water Marks Vicift Lines Sediment Deposits Drainage Patterns in Wetlan context) Secondary Indicators (2 or more required and context) Profile Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)  No	one once in GS);long, if ≥5%

(Subgroup): Excavaty	Site to	<u> </u>	Drainage Class <sup>1</sup> : Permeability <sup>2</sup> ; Run off <sup>3</sup> :	VS (Pomos)
cription (Surface to 12"):	Field Observations Confirm NRCS Mapping? YesNo			
Horizon (Mu	atrix Color	Mottle Colors (Munsell Moist)	Mottle Abundance*/	Texture <sup>6</sup> , Concretions, Structures <sup>7</sup> , etc.
	304			5,100,100
Organic Streaking in Sandy Soils Listed on National Hydric Soils L Listed on Local Hydric Soils Listed on Local Hydric Soils List Mottles (Redoxmorphic features)  Sulfidic Odor Reducing Conditions (Environme conducive to the removal of oxgen & chemical reduction of as and Remarks:  Neutral; Slightly Friendly are: Flooded; Ponded	int O	ther (Explain in Re 		oxygen for period of time)
DETERMINATION  Vegetation Conditions Present?  drology Conditions Present?  Conditions Currently Present?	Yes No		g Point Within a Wetland	Yes _No
water of the U.S.?Yes exempt from Corps/EPA regulation in- tidal drainage and irrigation ditch tificially irrigated areas which would tificial lakes or ponds created by ex- exclusively for such purposes as sto tificial reflecting or swimming pools and to retain water for primarily ae- aterfilled depressions created in dry turpose of obtaining fill, sand, or grand the resulting body of water men	Yes  Yes  Yes  Yes  Yes  Yes  Yes  Yes	No (If yes, cl dry land I if the irrigation ce liking dry land to cl ation, settling basis mamental bodies of construction activatil the construction	heck item(s) below).  ased.  ollect and retain water are  ns, or rice growing.  f water created by excav  vity and pits excavated in  n or excavation operation	nd which are used rating and/or diking dry n dry land for the n is abandoned
Excessively drained (ED), Somewhat orly drained (PD), Very poorly drainer y slow (VS-less than 0.06 inch), slow (VS-less than 0.06 inch), slow (S), Moderate (M), Ray (VS) Slow (S), Moderate (M), Ray (S), Forman (C), at Manual (S), and services (M), and services (S), at Manual (S), (S), at Man	ned (VPD), or Varia slow (S-0.06 to 0. 0 to 20 inches), vi pid (R), or Variable	able (V). 20 inch), moderate ery rapid (VR-more	ely slow (MS-0.2 to 0.6 i	inch), moderate (M-0.6 to 2
e: Few (F), Common (C), or Many Faint (F), Distinct (D), or Prominen oamy sand, sandy loam, loam, silt llaminated), prismatic (vertical axis ranular. I observation of flooding, or pondin	nt (P). t, silt loam, sandy of aggregates lon	ger than horizontal	l), columnar (prisms with	rounded tops),

#### ROUTINE WETLAND DETERMINATION

(1987 Corps Methodology Wetlands Delineation Manual)

Applicant/Owner: DRANSE Convertigator/s) : TERRY H	ition	Date: ///20/97 County: DRANGE 19 State: NY	
Do Normal Circumstances exist on the site? Is the site significantly disturbed (Atypical S Is the area a potential Problem Area? (If needed, explain answer on reverse or atta	ituation)? Yes Yes	NO NO NO ATED + RESTORED	Community ID: 3 a - d  Transect ID: Plot ID:
EGETATION			
Dominant Plant Species	Indicator	Dominant Plant Spe	cies Indicator
. Sel Data Sheets		9.	
2.		10.	
3.		11.	
4.		12.	
i.		13.	7
3.		14.	
7.		15.	
1.		16.	
<ol> <li>Assume presence of wetland vegeta</li> <li>Visually observed rooted emergent v</li> <li>Taxonomic References:</li> </ol>	tion?	excluding FAC-): 100 Yes Yes	No; or,
Assume presence of wetland vegeta     Visually observed rooted emergent v     Taxonomic References:  YDROLOGY	tion? egetation present?	Yes Yes	No; or,
2. Assume presence of wetland vegeta 3. Visually observed rooted emergent v 4. Taxonomic References:  YDROLOGY  Recorded Data (Attached):  Stream, Lake, or Tide Gauge Aerial Photographs: Dates:  Other No Recorded Data Found  Current Field Observations:	1987    (in.)   (in.)   (q-12"   12"   12"   12"   14"   15"	etland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Water Marks Drift Lines Sediment Deposits Drainage Patterns context) Secondary Indicators (2 or m	looded Ponded Ponded Upper 12" of Soil Profile Ponded Upper 12" of Soil Profile Profile Ponded Ponde

9

Map Unit Name (Series and Phase): Taxonomy (Subgrou		gradece	Drainage Class <sup>1</sup> : Permeability <sup>2</sup> : Run off <sup>3</sup> :	PD V5 V5	
Profile Description (	Surface to 12"):			Field Observations Con	nfirm NRCS Mapping? Yes No gradul
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance <sup>4</sup> / Contrast <sup>5</sup>	Texture <sup>6</sup> , Concretions, Structures <sup>7</sup> , etc.
0 to 12		104R3/Z	1640 \$6	# %	c1/
D to 17	1		ToyR 5/6		
to					
Current: Sulfidic Condinate Condinat	ing Conditions (Eucive to the remon & chemical red  marks:  Neutral; Irrigated; Flooded;	features)  nvironment  oval of uction of ions)  lightly Fresh; Fresh and Leveled; Ditch Ponded; Saturates	_ Other (Explain in Re  thly Plowed Field Smel Drained; Tile Drained	marks):	d oxygen for period of time)  Graded to drain via slope
4. Soils: (>30 5. Soils:	days) during the	growing season; ( become continuously	Inknown		
Hydrophytic Vegetat Wetland Hydrology C Hydric Soils Conditio	Conditions Presen		0 -	ng Point Within a Wetland	d?Yes No
(b) Artificially if (c) Artificial lai exclusive (d) Artificial re land to re (e) Waterfilled purpose of and the re	rom Corps/EPA re rainage and irriga irrigated areas wh kes or ponds crea ly for such purpo flecting or swimm tain water for pri depressions crea of obtaining fill, sa	egulation?Yes tion ditches excavated nich would revert to up ted by excavating and, ses as stock watering, ning pools or other sma marily aesthetic reason ted in dry land incident and, or gravel unless an	No (If yes, c on dry land land if the irrigation co for diking dry land to d irrigation, settling basi all ornamental bodies of s. al to construction action ad until the construction	collect and retain water a	nd which are used vating and/or diking dry n dry land for the n is abandoned 3 328.3(a)).
d (SPD), Poorly drain eability: Very slow ( rately rapid (MR-2.0 of ff: Very slow (VS) SI le abundance: Few ( le contrast: Faint (F) ure: Sand, loamy san	ted (PD), Very po VS-less than 0.0 to 6.0 inches), ra low (S), Moderati F), Common (C), Distinct (D), or ad, sandy loam, lo	orly drained (VPD), or 1 6 inch), slow (S-0.06 t pid (R-6.0 to 20 inches e (M), Rapid (R), or Var or Many (M). Prominent (P). oam , silt, silt loam, sal	Variable (V). o 0.20 inch), moderat s), very rapid (VR-more iable (V). ndy clay loam, clay loa	ely slow (MS-0.2 to 0.6 e than 20 inches), or Var em, silty clay loam, sand	Approved by HOUS well drained (MWD), Somewhat inch), moderate (M-0.6 to 2.0 riable (V).  Y clay, silty clay, or clay, or counded tops), blocky (angula
The second secon		or ponding is required,	or the use of indicator	s other than factors such	n as soil color, the presence of
dric soil classification	7.				

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\*All additions in italics are by Huffman & Associates, Inc.

DAIAIOIN ROUTINE WETLAND DETERMINATION

(1987 Corps Methodology Wetlands Delineation Manual)

Investigator(s) : TERRY F	county mitis		Date: _ County: _ State: _	11-20-9+ DRANG = 10/2
Do Normal Circumstances exist on the site Is the site significantly disturbed (Atypical Is the area a potential Problem Area? (If needed, explain answer on reverse or at	Situation)? Yes	NO NO NO FATED + RESTORED	Transact ID:	D: 4 Q MO 1 HZ Plot ID:
EGETATION				3
Dominant Plant Species	Indicator	Dominant Plant Sp	ecies	Indicator
See Data Sheets		9.		
	·	10.		
		11.		
		12.		•
	7	13.		
	7	14.		
		15.		
		16.		
YDROLOGY				
The state of the s				
Recorded Data (Attached): Stream, Lake, or Tide Gauge Aerial Photographs: Dates: Other  No Recorded Data Found  Current Field Observations: Depth of Surface Water: Depth to Free Water in Pit: Depth to Saturated Soil: Tidel Influence Non-Tidal Influence	2 (in.) _ voup to	Saturated in:  Water Marks  Drift Lines  Sediment Deposit  Drainage Patterns context)  Secondary Indicators (2 or Oxidized Root Ch	s in Wetlands (I more required): annels in: aves Data	Hydrogeomorphic



(Series and Phase): Taxonomy (Subgrou		e Cerulel		Permeability <sup>2</sup> :	VP P
Profile Description (	Surface to 12"):			Field Observations Cor	nfirm NRCS Mapping? Yes No
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance <sup>4</sup> / Contrast <sup>5</sup>	Texture <sup>6</sup> , Concretions, Structures <sup>7</sup> , etc.
0 to 12	В	10483/1	10/R 5/6		clay lown
to					
to					
Listed  + Mottle  Current: Sulfidia  Reduci	c Streaking in S on National Hydric on Local Hydric s (Redoxmorphic c Odor ing Conditions (E ucive to the rem	restures)		ent in Surface Layer in Sa oma Colors (chroma <2) marks): Black S gime (nearly free of dissolved marks):	
4. Soils:  5. Soils:  ETLAND DETERING  Hydrophytic Vegetat	dodo no days) during th dodo no MINATION	Slightly Fresh;Fresh and Leveled;Ditch L _Ponded;Saturated t, become continuously fi e growing season;Ui t, become continuously s  resent?YesNo	looded or ponded for nknown aturated for 14 days	long (≥15 to 30 days) to	o very long durations;
Wetland Hydrology ( Hydric Soils Conditio	Conditions Preser	nt? Yes No	Signature:	They Huff	
2. Possibly exempt fa (a) Non-tidal di	rom Corps/EPA r rainage and irriga irrigated areas w kes or ponds cre ly for such purpo flecting or swim tain water for pr	ation ditches excavated of thich would revert to uplated by excavating and/of uses as stock watering, in ming pools or other small imarily aesthetic reasons ated in dry land incidenta.	No [If yes, con dry land in the irrigation con diking dry land to dirigation, settling basis ornamental bodies of the construction action.	heck item(s) below).  eased.  collect and retain water alins, or rice growing.  of water created by excavivity and pits excavated in	nd which are used vating and/or diking dry
(c) Artificial lai exclusives (d) Artificial re- land to re (e) Waterfilled purpose of	f obtaining fill, s	and, or gravel unless and water meets the definition			n is abandoned

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ROUTINE WETLAND DETERMINATION (1987 Corps Methodology Wetlands Delineation Manual) county mitigation DRANGE Project/Site: Date: DRANGE Applicant/Owner: County: Investigator(s) : TERRY State: Do Normal Circumstances exist on the site?

Is the site significantly disturbed (Atypical Situation)? Yes No No Is the area a potential Problem Area?

(If needed, explain answer on reverse or attach separate sheet.) CREATED + RESTORED No Community ID Transeet ID: EGETATION **Dominant Plant Species** Indicator **Dominant Plant Species** Indicator 9. 10. 2. 11. 3. 12. 13. 14. 15. 16. Observations & Remarks: 1. Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 100 Assume presence of wetland vegetation?
Visually observed rooted emergent vegetation present? No; or, Yes No Taxonomic References: HYDROLOGY Recorded Data (Attached): Wetland Hydrology Indicators: Stream, Lake, or Tide Gauge Primary Indicators:

_ No	Aerial Photographs: Dates: 1997  Other OF Site 8197   Recorded Data Found  Inundated: Eleoded Ponded Saturated in: Upper 12" of Soil Profile Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands (Hydrogeomorphic
Jid.	To Field Observations:  Depth of Surface Water: Depth to Free Water in Pit: Depth to Saturated Soil:  In Influence  Depth to Saturated Soil:  In Influence  Depth to Free Water in Pit: Depth to Saturated Soil:  In Influence  Depth to Saturated Soil:  In Influence  To Context)  Secondary Indicators (2 or more required)  Water-Stained Leaves  Local Soil Survey Data  FAC-Neutral Test  Other (Explain in Remarks)
Observ 1. 2. 3. 4. 5.	vations and Remarks:  Filamentous or sheet forming algae present?  Surface Sediment with Bedding Planes  Slope:  O-2%; or > 2%  Oxidized rhizospheres:  new roots only;  flooding:  none, flooding not probable;  occurs on an average of once or less in 2 years, or frequent, occurs on an average of more than once in 2 years,
6. 7.	Continuous flooding duration: None; very brief, if < 2 days; brief, if < 5% grawing season (GS); long, if ≥5% to 12.5% GS; or very long, if > 12.5% GS Ponding? Yes No
<i>8.</i> 9. 10.	Continuous ponding duration: None; very brief, if < 2 days; brief, < 5% growing season (GS); long, if >5% to 12.5% GS or very long, if > 12.5% GS  Saturation? Yes No  Continuous duration of Saturation: None; very brief, if < 2 days; brief, < 5% growing season (GS); long, if > 5% to 12.5% GS; or very long, if > 12.5% GS



Profile Description (		e Gravle to	Permeability <sup>2</sup> :  Run off <sup>3</sup> :  Field Observations Confirm NRCS Mapping?		
Prome Description (	Junace to 12 ).		T	_	Yes_No
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance <sup>4</sup> / Contrast <sup>5</sup>	Texture <sup>8</sup> , Concretions, Structures <sup>3</sup> , etc.
0 to [2		104R3/2	104RS/6	c/d	clay loan
to 12"		TIDYR 3/1	7,0 YR 5/6	FD	
to					
Organi Listed Listed Final Mottles  Current: Reduci condi	Epipedon ic Streaking in So on National Hyd on Local Hydric s (Redoxmorphic	features)  nvironment oval of	Oleyed or Low-Chro	me (nearly free of dissolver	The state of the s
5. Soils:	MINATION	e growing season;	saturated for 14 days	g Point Within a Wetland	d?Yes No
Wetland Hydrology C	Conditions Preser	nt? Yes _ No		en Hull	
Wetland Hydrology C	Conditions Preser	nt? Yes _ No	0   -1	my	$\sim$
Remarks:  1. Possible water of a condition of the conditi	the U.S.? Yrom Corps/EPA riginage and irrigated areas with for such purpolification water for pridepressions creat obtaining fill, s	No (can be a weegulation? Yes No hich would revert to uple attention pools or other smailing pools or other smailing and, or gravel unless and, or gravel unless and	Signature:	then vegetation is absent if the leck item(s) below).  assed. billect and retain water and so, or rice growing.	ned and bank present).  Ind which are used  In dry land for the  In is abandoned

#### ROUTINE WETLAND DETERMINATION

Deningt/Citas		ounty mitis	ation		11/2-107 1
Project/Site:		DUNTY, NY		Date: County:	DEANS -
Applicant/Owner: Investigator(s):	TERRY H	FFMAN		State:	NV
mvestigatorio, .				Olato.	4
Is the site significantly	nces exist on the site? y disturbed (Atypical S Problem Area? swer on reverse or att	ituation)? Yes	No No No ARESTORED	Community Transact ID	
EGETATION			THE RESERVE		
Dominant Pla	nt Species	Indicator	Dominant Plant Sp	ecies	Indicator
1. Soo bata	a sheets		9.		
2.			10.		
3.			11.		
4.			12.		1.0
5.			13.		
6.			14.		
7.			15.		
в.			16.		
<ol> <li>Percent of Domi</li> <li>Assume presence</li> <li>Visually observed</li> </ol>	nant Species that ar e of wetland vegeta d rooted emergent v	tion!	(excluding FAC-): 163 Yes Yes	_% <u>~</u>	No; or, No
<ol> <li>Percent of Domi</li> <li>Assume presence</li> <li>Visually observe</li> <li>Taxonomic Reference</li> </ol>	nant Species that ar e of wetland vegeta d rooted emergent v	tion!	(excluding FAC-): 163 Yes Yes	_%	No; or, No
1. Percent of Domi 2. Assume presenc 3. Visually observe 4. Taxonomic Refer  YDROLOGY  Recorded Data (Atta Stream, Aerial Ph Other	nant Species that are of wetland vegeta d rooted emergent vences:  ached): Lake, or Tide Gauge otographs: Dates:	egetation present?	Vetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Water Marks Unit Lines Sediment Deposit	ts	
YDROLOGY  Recorded Data (Atta Stream, Aerial Ph Other  No Recorded Data Formula of Surrent Field Observation Depth of Surrent Surrent Field Observation Depth of Surrent Field Observation Dept	nant Species that are of wetland vegeta d rooted emergent verences:  ached): Lake, or Tide Gauge otographs: Dates:  ound  ons: face Water: a Water in Pit:	regetation present?	Vetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Water Marks Drift Lines Sediment Deposit Drainage Patterns context) Secondary Indicators (2 or	Upper 12" of the state of the s	of Soil Profile

(Series and Phase): Taxonomy (Subgrou	(	grade		Permeability <sup>2</sup> :	VS (pouseco)
Profile Description (	Surface to 12"):			Field Observations Co	nfirm NRCS Mapping? Yes
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance <sup>4</sup> / Contrast <sup>5</sup>	Texture <sup>6</sup> , Concretions, Structures <sup>7</sup> , etc.
0 to 12		164R 3/2	104R5/6	c/d	claylown
to		1/4-1			
to					
Listed Listed + Mottle	on National Hydron Local Hydron Local Hydron (Redoxmorphic Codor Ing Canditions (Eucive to the remon & chemical red	Soils List features) 	Lows	ent in Surface Layer in Sama Colors (chroma s2 ) emarks): 5,7,5,9 gime (nearly free of dissolved marks):	d oxygen for period of time)
	deys) during the	e growing season; U , become continuously :	Inknown saturated for 14 days	or greater	
Vetland Hydrology C lydric Soils Conditio	Conditions Presen	it? Yes No		Trus/fuff	<u> </u>
(a) Non-tidal di (b) Artificially	rom Corps/EPA re rainage and irriga irrigated areas wh kes or ponds crea ly for such purpo flecting or swimn tain water for pri depressions crea	egulation? Yes  tion ditches excavated which would revert to uplated by excavating and/ ses as stock watering, in the pools or other small marily aesthetic reasons ted in dry land incidental	No (If yes, or on dry land land if the irrigation color diking dry land to dirrigation. Settling basil ornamental bodies of s.  al to construction actiful duntil the construction direction direction actiful duntil the construction.	collect and retain water a ins, or rice growing. of water created by exca- vity and pits excavated in on or excavation operation	nd which are used vating and/or diking dry in dry land for the
exclusives (d)Artificial re land to re (e)Waterfilled purpose of		water meets the definition	on of waters of the II		

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or hydric soil classification.

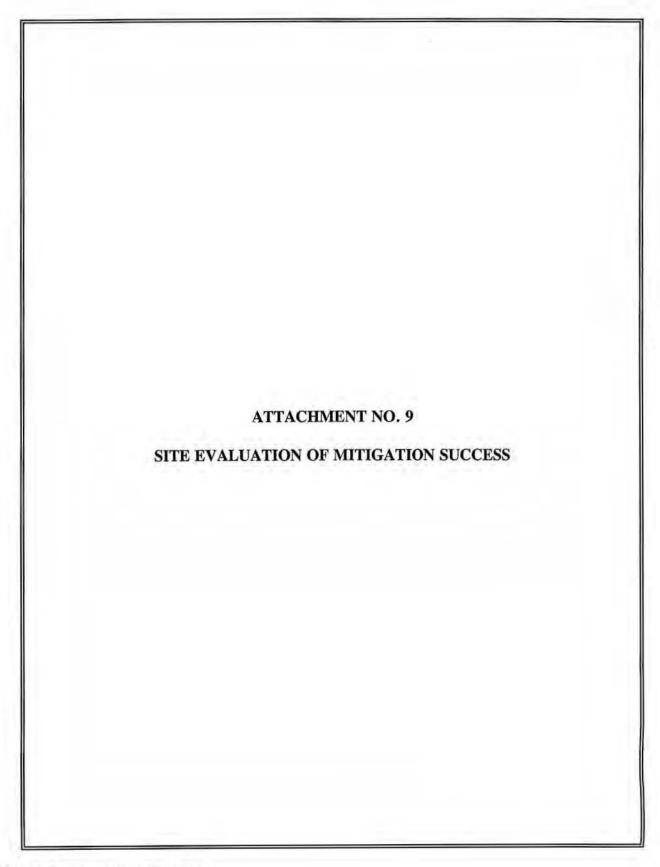
DATA PURIN

ROUTINE WETLAND DETERMINATION

1 12		ounty mit	isation	Date:	11-20-97
Applicant/Owner:		ounty, My		County:	DRANGE
Investigator(s) :	(s) : TERRY HUFFMAN			State:	Ny
Do Normal Circumstan Is the site significantly Is the area a potential (If needed, explain ans	disturbed (Atypical S	ituation)? Yes	No No RESTORE	Community	
EGETATION	-				0
Dominant Plan		Indicator	Dominant Plant S	pecies	Indicator
	sheets		9.		
2. (problem	s w/		10.		
MOWIES	.) '		11.		
10			12.		,
5.			13.		
š.			14.		
			15.		
i.			16.		
Observations & Rem 1. Percent of Domin 2. Assume presence 3. Visually observed 4. Taxonomic Refer	rooted emergent v	uone	C (excluding FAC-): Yes Yes		No; ar, No
1. Percent of Domin 2. Assume presence 3. Visually observed 4. Taxonomic Refer	f rooted emergent vences:	uone	Wetland Hydrology Indicators:	-* <u>-</u>	No; or, No
Percent of Domin Assume presence Visually observed Taxonomic Reference VDROLOGY Recorded Data (Atta	f rooted emergent vences:	uone	Wetland Hydrology Indicators: Primary Indicators: Inundated:	Flooded	Ponded
Percent of Domin Assume presence Visually observed Taxonomic Reference VDROLOGY Recorded Data (Atta	i rooted emergent vences:	uone	Wetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Water Marks	Flooded	Ponded
Assume presence Note of Doming Note	ched): ake, or Tide Gauge otographs: Dates:	uone	Wetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Water Marks Drift Lines Sediment Depos Drainage Pattern	Flooded Upper 12"	Ponded
Assume presence Assume presence Visually observed Taxonomic Refer  YDROLOGY  Recorded Data (Atta Stream, L Aerial Pho	ched): ake, or Tide Gauge otographs: Dates:  pund ons: ace Water: Water in Pit:	uone	Wetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Water Marks Drift Lines Sediment Depos Drainage Patterr context) Secondary Indicators (2 or	its its in Wetlands r more require hannels in: eaves y Data	Ponded of Soil Profile
Assume presence Assume presence Visually observed Taxonomic Reference Taxonomic Refere	ched): ake, or Tide Gauge otographs: Dates:  pund  ons: ace Water: Water in Pit: rated Soil:  orks: r sheet forming algae ent-with Bedding Plan 0-2%; or particular of pro- orderes: none, flooding not pro- overage of once or les-	egetation present?  ISTA  Sikapholas  (in.) (in.	Wetland Hydrology Indicators: Primary Indicators: Inundated: Saturated in: Water Marks Drift Lines Sediment Depos Drainage Pattern context) Secondary Indicators (2 or Oxidized Root C Profile Water-Stained L Local Soil Survey FAC-Neutral Tes	its its its in Wetlands r more require hannels in: eaves y Data it Remarks)	Ponded of Soil Profile  (Hydrogeomorphic d): Upper 12*of Soil  tions; occasional, nice in 2 years.

Map Unit Name (Series and Phase): Taxonomy (Subgrou	The state of the s	LO GROADO		Drainage Class <sup>1</sup> : Permeability <sup>2</sup> : Run off <sup>3</sup> :	PD VS VS
Profile Description (	(Surface to 12"):			Field Observations Co	nfirm NRCS Mapping? Yes No
Depth (inches)	Matrix Color (Munsell Moist) Mottle Colors (Munsell Moist)			Mottle Abundance <sup>4</sup> / Contrast <sup>5</sup>	Texture <sup>5</sup> , Concretions, Structures <sup>7</sup> , etc.
0 <sup>†</sup> to <u>12</u>	+ B		+ 104R5/6	F/1	
to					
to					
Organ Listed Listed Mottle	Epipedon ic Streaking in Sar on National Hydri on Local Hydric S is (Redoxmorphic f	oils List	Gleyed or Low-Chr Other (Explain in Re		radeO_
Reduc	c Odor sing Conditions (En fucive to the removen & chemical redu	val of	Other (Explain in Re	gime (nearly free of dissolved emarks):	d oxygen for period of time)
i. Soils: (>30 ETLAND DETER Hydrophytic Vegetat Vetland Hydrology ( Hydric Soils Condition	MINATION tion Conditions Present	Yes _ No	Is this Samplin	ng Point Within a Wetland	d?Yes No
Remarks:  I. Possible water of I. Possibly exempt fi (a) Non-tidal d (b) Artificially (c) Artificial lai exclusive (d) Artificial re land to re (e) Waterfilled purpose d	the U.S.? Yes from Corps/EPA reg frainage and irrigate irrigated areas whi kes or ponds creat ly for such purpose flecting or swimme tain water for print depressions creat of obtaining fill, sai	No Ican be a wa gulation? Yes ion ditches excavated o ich would revert to upla ed by excavating and/o es as stock watering, in ing pools or other small parily aesthetic reasons. ed in dry land incidental and, or gravel unless and	ter and not a wetland we no (If yes, con dry land and if the irrigation configuration, settling base ornamental bodies of the construction actifuntil the construction	collect and retain water a	nd which are used vating and/or diking dry n dry land for the n is abandoned
ege class: Excessive of (SPD), Poorly drain ability: Very slow ( ately rapid (MR-2.0 f: Very slow (VS) Si abundance: Few ( a contrast: Faint (F) re: Sand, loamy sai ure: Platy (laminate gular), or granular.	ely drained (ED), So ned (PD), Very poo (VS-less than 0.06 to 6.0 inches), rap low (S), Moderate (F), Common (C), o I, Distinct (D), or F nd, sandy loam, lo d), prismatic (verti	omewhat excessively di rly drained (VPD), or Vi i inchl, slow (S-0.06 to oid (R-6.0 to 20 inches), (M), Rapid (R), or Varia or Many (M). Prominent (P). am, silt, silt loam, sand ical axis of aggregates (	reined (SED), Well dr eriable (V). 0.20 inch), moderat , very rapid (VR-mon ble (V). dy clay loam, clay loa longer than horizonta	ained (WD), Moderately rely slow (MS-0.2 to 0.6 e than 20 inches), or Var am, silty clay loam, sand oll, columnar (prisms with	Approved by HQUS well drained (MWD), Somewha inch), moderate (M-0.6 to 2.0 i iable (V).  y clay, silty clay, or clay. rounded tops), blocky (angular
ce on visual observa ric soil classification		r ponaing is required, or	me use of indicator	s other than factors such	as soil color, the presence of

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# MITIGATION MONITORING DATA SHEET FOR EVALUATION OF MITIGATION SUCCESS

DA	ORPS PROJECT NO. <u>EPA-CWA-II</u> -92-155 ATE: <u>10/27/99</u> RECORDER: TH ONITORING YEAR <u>99</u> & NO. <u>3</u>	TECHNICAL REVIEWER TH  MITIGATION SITE NO. /
	gulatory Requirement: Provide an annual assessment of n	nitigation success and provide recommendation for
	Assessment of Vegetation Success	
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	
2.	Assessment of Erosion:	present; X absent
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	
3.	Assessment of Herbivory:	present; absent
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:<sup>1</sup></li> </ul>	
4.	Assessment of Other Disturbance:	present; X absent
	<ul><li>a. if not met, state cause:</li><li>b. if not met, state cause:</li><li>a. if not met, state cause:</li></ul>	
	<ul> <li>c. if not met, state cause:</li> <li>d. proposed remedial action:<sup>1</sup></li> </ul>	
5.	Other comments:1	

<sup>&</sup>lt;sup>1</sup>Attach additional comments as necessary.

# MITIGATION MONITORING DATA SHEET FOR EVALUATION OF MITIGATION SUCCESS

DA Me Re	ORPS PROJECT NO. <u>EPA-CWA-II</u> -92 -155  ATE: <u>PO/27/99</u> RECORDER: TH  ONITORING YEAR <u>99</u> & NO. <u>3</u> gulatory Requirement: Provide an annual assessment of marrective action as necessary.	MITIGATION SITE NO. 3
1.	Assessment of Vegetation Success	X criteria met; not met
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	
2.	Assessment of Erosion:	present;X absent
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	
3.	Assessment of Herbivory:	present; X absent
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	
4.	Assessment of Other Disturbance:	present; X absent
	<ul><li>a. if not met, state cause:</li><li>b. if not met, state cause:</li></ul>	
	c. if not met, state cause: d. proposed remedial action: <sup>1</sup>	
5.	Other comments:1	

<sup>&</sup>lt;sup>1</sup>Attach additional comments as necessary.

	TECHNICAL REVIEWER TH  MITIGATION SITE NO. 49  ent of mitigation success and provide recommendation for
corrective action as necessary.	V
<ul> <li>1. Assessment of Vegetation Success</li> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	_X_ criteria met; not met
<ul> <li>2. Assessment of Erosion:</li> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:<sup>1</sup></li> </ul>	present; X absent
<ul> <li>3. Assessment of Herbivory:</li> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:<sup>1</sup></li> </ul>	present;X absent
<ul> <li>4. Assessment of Other Disturbance:</li> <li>a. if not met, state cause:</li> <li>b. if not met, state cause:</li> <li>c. if not met, state cause:</li> <li>d. proposed remedial action:</li> </ul>	present;X_ absent
5. Other comments: <sup>1</sup>	

Attach additional comments as necessary

CORPS PROJECT NO. <u>EPA-CWA-II</u> -92 DATE: <u>10/27/99</u> RECORDER: TH	185 TECHNICAL REVIEWER TH
MONITORING YEAR 99 & NO. 3	MITIGATION SITE NO. 45
	ment of mitigation success and provide recommendation for
Assessment of Vegetation Success	X criteria met; not met
<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:<sup>1</sup></li> </ul>	
2. Assessment of Erosion:	present; _X absent
<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	
3. Assessment of Herbivory:	present; absent
<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	
4. Assessment of Other Disturbance:	present; _×_ absent
<ul> <li>a. if not met, state cause:</li> <li>b. if not met, state cause:</li> <li>c. if not met, state cause:</li> <li>d. proposed remedial action:</li> </ul>	
5. Other comments: <sup>1</sup>	

<sup>&</sup>lt;sup>1</sup>Attach additional comments as necessary

DA Me Re	ORPS PROJECT NO. <u>EPA-CWA-II</u> - ATE: <u>10/27/99</u> RECORDER: <u>7/</u> ONITORING YEAR <u>99</u> & NO. <u>3</u> Egulatory Requirement: Provide an annual a Prrective action as necessary.	
1.	Assessment of Vegetation Success	criteria met; X_ not met
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:<sup>1</sup></li> </ul>	
2.	Assessment of Erosion:	present; X absent
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	
3.	Assessment of Herbivory:	X present; absent
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	
4.	Assessment of Other Disturbance:	X present; absent
	a. if not met, state cause: b. if not met, state cause: c. if not met, state cause:	4 tion - only 1,21 ac successful
	d. proposed remedial action:1	4.63 ac 3 (use 3.42 ac vin
5.	Other comments:1	Ation - only 1.21 ac successful 4.63 ac mowed. Propose up of site 3 (use 3.42 ac in site 3) to make up short full

Attach additional comments as necessary.

DA Me Re		TECHNICAL REVIEWER 7H  MITIGATION SITE NO. 5  of mitigation success and provide recommendation for
co	rrective action as necessary.	
1.	Assessment of Vegetation Success	criteria met; not met
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:<sup>1</sup></li> </ul>	
2.	Assessment of Erosion:	present; Λ absent
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:<sup>1</sup></li> </ul>	
3.	Assessment of Herbivory:	present; X absent
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	
4.	Assessment of Other Disturbance:	present;X absent
	<ul><li>a. if not met, state cause:</li><li>b. if not met, state cause:</li></ul>	
	c. if not met, state cause: d. proposed remedial action:	
5	Other comments:	or Not 0.600 ac (wes GPS)

Attach additional comments as necessary.

# MITIGATION MONITORING DATA SHEET FOR EVALUATION OF MITIGATION SUCCESS

	ONITORING YEAR <u>99</u> & NO. <u>3</u>	MITIGATION SITE NO. AA
	gulatory Requirement: Provide an annual assessment of necessive action as necessary.	nitigation success and provide recommendation for
1.	Assessment of Vegetation Success	X criteria met; not met
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:<sup>1</sup></li> </ul>	
2.	Assessment of Erosion:	present; X absent
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:<sup>1</sup></li> </ul>	
3.	Assessment of Herbivory:	noon to Goose graz Cronels to control)
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	(No need to control)
١.	Assessment of Other Disturbance:	present; absent
	<ul> <li>a. if not met, state cause:</li> <li>b. if not met, state cause:</li> <li>c. if not met, state cause:</li> <li>d. proposed remedial action:<sup>1</sup></li> </ul>	

5. Other comments;1

<sup>&</sup>lt;sup>1</sup>Attach additional comments as necessary.

CORPS PROJECT NO. EPA-CWA-TI-DATE: 10/27/99 RECORDER: 7. MONITORING YEAR 99 & NO. 3 Regulatory Requirement: Provide an annual a corrective action as necessary.	TECHNICAL REVIEWER TH  MITIGATION SITE NO. BB  assessment of mitigation success and provide recommendation for
Assessment of Vegetation Success	X criteria met; not met
<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	
2. Assessment of Erosion:	present; X absent
<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	
3. Assessment of Herbivory:	present; absent  moverate goose grazing  to to the control
<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	No wes to conter (
4. Assessment of Other Disturbance:	present; X absent
<ul><li>a. if not met, state cause:</li><li>b. if not met, state cause:</li></ul>	
c. if not met, state cause: d. proposed remedial action:	
5. Other comments: <sup>1</sup>	

<sup>&</sup>lt;sup>1</sup>Attach additional comments as necessary.

ATE: 10/27/99 RECORDER: THE CONITORING YEAR 99 & NO. 3 egulatory Requirement: Provide an annual assessn	MITIGATION SITE NO
rrective action as necessary.	
Assessment of Vegetation Success	criteria met; not met
<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	
Assessment of Erosion:	present; X absent
<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:<sup>1</sup></li> </ul>	
Assessment of Herbivory:	resent; absent
<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	moderate nove
Assessment of Other Disturbance:	present; X absent
a. if not met, state cause:	
<ul><li>b. if not met, state cause:</li><li>c. if not met, state cause:</li></ul>	
d. proposed remedial action: <sup>1</sup>	

<sup>&</sup>lt;sup>1</sup>Attach additional comments as necessary.

DA Me	ORPS PROJECT NO. <u>EPA-CWA-II</u> -92 -155  ATE: <u>10/27/99</u> RECORDER: TH  ONITORING YEAR <u>99</u> & NO. <u>3</u> Egulatory Requirement: Provide an annual assessment of necessary.	TECHNICAL REVIEWER <u>プル</u> MITIGATION SITE NO. <u></u> D. D
1.	Assessment of Vegetation Success	X criteria met; not met
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:<sup>1</sup></li> </ul>	
2.	Assessment of Erosion:	present; absent
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	
3.	Assessment of Herbivory:	present; absent
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:<sup>1</sup></li> </ul>	grazing; no viers
4.	Assessment of Other Disturbance:	present; X absent
	<ul> <li>a. if not met, state cause:</li> <li>b. if not met, state cause:</li> <li>c. if not met, state cause:</li> <li>d. proposed remedial action:</li> </ul>	
5.	Other comments:1	

<sup>&</sup>lt;sup>1</sup>Attach additional comments as necessary,

DAT	PS PROJECT NO. <u>EPA-CWA-II</u> -92-155 E: <u>10/27/99</u> RECORDER: TH NITORING YEAR 99 & NO. 3	TECHNICAL REVIEWER TH  MITIGATION SITE NO. EE
Regu	datory Requirement: Provide an annual assessment of n	
	Assessment of Vegetation Success	criteria met; not met
	. if not met, state cause: . proposed remedial action:	
2. A	Assessment of Erosion:	present; _ ** absent
a b	if not met, state cause: proposed remedial action:	
3. A	Assessment of Herbivory:	present; X absent
a b	if not met, state cause: proposed remedial action:	
4. A	Assessment of Other Disturbance:	present; absent
b	if not met, state cause: if not met, state cause: if not met, state cause: proposed remedial action:	
5. C	Other comments: Site Still Moures	form PE to PSS

<sup>&</sup>lt;sup>1</sup>Attach additional comments as necessary.

CORPS PROJECT NO. EPA-CWA-II-92 DATE: 10/27/99 RECORDER: TH	TECHNICAL REVIEWER TH
MONITORING YEAR 99 & NO. 3	MITIGATION SITE NO G-
Regulatory Requirement: Provide an annual assess corrective action as necessary.	sment of mitigation success and provide recommendation for
1. Assessment of Vegetation Success	
<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	
2. Assessment of Erosion:	present; _X_ absent
<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	
3. Assessment of Herbivory:	present;X absent
<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	
4. Assessment of Other Disturbance:	present; X absent
<ul><li>a. if not met, state cause:</li><li>b. if not met, state cause:</li><li>c. if not met, state cause:</li></ul>	
the second constitution of the second	. I I alough Laine
5. Other comments: Losestrite St	11 present, but slowly being
chades out.	

<sup>&</sup>lt;sup>1</sup>Attach additional comments as necessary.

	ORPS PROJECT NO. <u>EPA-CWA-II</u> -9z <sub>-</sub> -155 ATE: <u>10/27/99</u> RECORDER: TH	
M	ONITORING YEAR <u>99</u> & NO. <u>3</u>	MITIGATION SITE NO
	egulatory Requirement: Provide an annual assessment or prective action as necessary.	of mitigation success and provide recommendation for
	Assessment of Vegetation Success	X criteria met; not met
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:<sup>1</sup></li> </ul>	
2.	Assessment of Erosion:	present; X absent
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:<sup>1</sup></li> </ul>	
3.	Assessment of Herbivory:	present; absent
	<ul> <li>a. if not met, state cause:</li> <li>b. proposed remedial action:</li> </ul>	V
4.	Assessment of Other Disturbance:	present; absent
	<ul><li>a. if not met, state cause:</li><li>b. if not met, state cause:</li></ul>	
	<ul> <li>c. if not met, state cause:</li> <li>d. proposed remedial action:<sup>1</sup></li> </ul>	
5.	Other comments:1	· · · · · · · · · · · · · · · · · · ·
	Lo sustrite Still	Rusent, but Popularion
	in F1, F2 + F3	LI
	by should tree grow	Present, but populations transports beings Robuced th.

Attach additional comments as necessary.

